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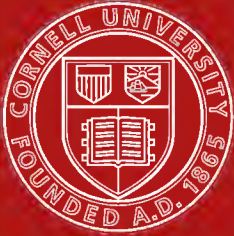
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HISTORICAL ACCOUNT of the HERBARIUM

OF THE

YORKSHIRE PHILOSOPHICAL SOCIETY

AND THE CONTRIBUTORS THERETO.

BY HENRY J. WILKINSON, *Honorary Curator of Botany.*

PART I.

The Yorkshire Philosophical Society was formed in 1823 for the promotion of Science, also the study of Natural History, and in order to meet the requirements of the Society a Museum was erected, the first stone of which was laid on the 24th October, 1827.

The Herbarium of the Society contains over ten thousand specimens of British, European, and Asiatic plants, and includes collections of British Plants from the following :—

Rev. James Dalton, F.L.S., 1827-1887; W. Middleton, 1827; Giles Munby, 1833; Samuel Hailstone, F.L.S., 1859.

HONORARY CURATORS. In accepting the donations of specimens, the Council appointed the Rev. William Hincks, F.L.S., to the office of honorary curator of Botany. In 1828 he commenced to arrange the various collections according to the system of De Candolle, but unfortunately for the Society he was unable to complete the arrangement of the *Cyperaceæ*, *Gramineæ*, *Filices*, &c.

Mr. Hincks was lecturer on botany at the York School of Medicine, and the services he rendered to the Yorkshire Philosophical Society for over ten years deserve our grateful thanks. He devoted his leisure time to convert the "waste land" into a botanical and ornamental garden, and in this work he was ably assisted by the late sub-curator, Henry Baines.

The Rev. W. Hincks was born at Cork, 1794, and he left York in 1839 to take up his duties as Professor of Natural History, Queen's College, Cork. From the latter place he went to Toronto (1854), where he made important contributions to Canadian botany. He died in Toronto, September, 1871.

Oswald Allen Moore was appointed in 1840 as honorary curator. He devoted much time and energy to the gardens, and his lectures on botany were much appreciated. Mr. Moore was a grandson of Oswald Allen, a well-known Surgeon in York, and in 1841 was one of the successful candidates for the office of Surgeon at the York Dispensary. He died in 1862.

William Matterson, M.D., succeeded Mr. Moore in 1862 as honorary curator, and the cultivation of ornamental plants in the gardens interested him more than the dried specimens in the herbarium. He was born in 1815, and died April 23, 1890.

The following extract from the *Yorkshire Herald*, April 24th, 1890, records "that York has lost a loyal and honourable citizen, and many of its inhabitants have lost a generous and steadfast friend."

Henry J. Wilkinson, the present honorary curator, was appointed by the Council in 1892.

The specimens in the herbarium required careful examination and attention, and the Council provided a cabinet in the Keeper's room in which to place them. The work of arranging the three thousand specimens which Mr. Hincks left (in 1839) was at once commenced, and it may be of interest to the members of the society to know that these specimens have been mounted and labelled, and are now (1906) in excellent preservation.

HERBARIUM CATALOGUE. In this catalogue a consecutive number is attached to the name of the plant, and a record made, denoting the locality, date, and name of collector, and indicating the name of the donor.

The following works have been used for the nomenclature and distribution of plants :—

"The Student's Flora of the British Islands," by Sir J. D. Hooker, 3rd Edition, 1884.

"Topographical Botany," by H. C. Watson, 2nd Edit., 1883.

"The London Catalogue of British Plants," 8th Edition (1886-90) and 9th Edition, 1895.

The species and varieties already entered in the catalogue are numbered from 1 to 729 inclusive, and these are represented by over two thousand specimens.

The work to be done in the herbarium includes entering the names of over one thousand species and varieties in the catalogue, and the mounting and labelling of over three thousand specimens. In addition to this work, information is desired in connection with

- (a) The donors and collectors of the specimens.
- (b) Changes that have taken place in such Yorkshire localities as Terrington Carr, Staveley Carrs, Strensall Common, &c.
- (c) Evidence relating to the extinction or introduction of plants in Yorkshire from 1760-1906.

The Donors and Collectors of specimens.

Your honorary curator, in submitting the following prefatory notes, respectfully asks those members who are interested in any of the above subjects to help the society with their knowledge and advice, which will be duly acknowledged.

The pursuit of botany offers an immense field for work, and the student can spend a life-time in investigating any of the divisions of the Vegetable Kingdom.

Some members of our society have commenced by studying the plants of Yorkshire, and then gone forth to foreign lands in search of knowledge; whilst others have confined their observations to England, and have left valuable collections of plants to this society.

As they have been workers in the field, so let us be earnest in our endeavour to preserve their work, and be fellow-workers in carrying out the object for which this society was formed. For there is work for all: Nature knows no rest, night and day the pages of her wonderful book are offered to those who are willing to learn. It is refreshing to be for awhile in the midst of Natural History and Antiquarian objects of interest, that serve to illustrate the history of the past and life of the present.

The least that can be done to keep green the memory of such honoured names and pioneers of Yorkshire botany as Dalton, Hailstone, Backhouse, Hincks, Middleton, Munby, Moore, and Spruce, is to treat with care the flowers they loved so well.

The Rev. James Dalton, F.L.S., was the third and youngest son of Captain John Dalton, H.E.I.C.S. (the defender of Trichinopoly, 1752-53), by Isabella, second daughter, and eventual heir of Sir John Wray, 12th Baronet of Glentworth, co. Lincoln. Born in Swinegate, York, on the 14th November, 1764; he took his B.A. degree at Clare Hall, Cambridge, in 1787; M.A., 1790; Ordained Deacon, 15th July, 1787; Priest, 23rd November, 1788; Vicar of Copgrove, January 22nd, 1789; Vicar of Catterick, March 12th, 1791; Rector of Croft, 3rd August, 1805. Married 4th Dec., 1794, at Bishop Stortford, Herts, Maria, youngest daughter, and co-heir, of the Rev. Edmund Gibson, Vicar of Bishop Stortford (grandson of Edmund Gibson, Bishop of London). Died 2nd January, 1843; Buried at Croft, 12th January, 1843. Now represented (1894) by Lt.-Colonel J. C. Dalton, R.A., and Charles Dalton, F.R.G.S., sons of Lt.-General Charles James Dalton, Col. Commandant Royal Artillery.

For the preceding particulars concerning the Rev. James Dalton, the Yorkshire Philosophical Society is indebted to Mr. Charles Dalton, F.R.G.S. This gentleman and his brother, Lt.-Colonel J. C. Dalton, R.A., presented the valuable (Dalton) collection of plants in 1887.

The Dalton collection of British plants (1827) represents a large portion of the botanical work done by the Rev. James Dalton during the years 1780 to 1820.

The collection (1887) includes many of the Rev. James Dalton's specimens from 1790 to 1835; also specimens collected by his grandson, the Rev. James Dalton.

The specimens collected by the Rev. James Dalton, F.L.S., will be marked "Rev. James Dalton," and those collected or contributed by his grandson will be referred to as by the "Rev. James Dalton, Junr."

Although the above account embraces the most important events in the Rev. James Dalton's career, as the arrangement of the herbarium progresses, the writer of these "Notes" will be able to supply details of the botanical excursions of Mr. Dalton and his contemporaries.

James Dalton was the son of one of those enterprising and heroic pioneers who laid the foundation of our commercial and political influence over the vast Indian Empire.

Whatever influence operated on the mind and character of James Dalton, he did not follow the military career of his father, but adopted a more peaceful mission,

The distinguished career of Captain Dalton and his son James afford a striking contrast, and may be regarded as typical of the age in which they lived.

The British forces abroad were actively occupied in a series of engagements on land and sea, for the existence or supremacy of the English nation, while the population at home toiled under taxation to provide the sinews of war, and the bare necessities of life.

It was in such times as these that James Dalton was born, and his early years, 1765-85, must have been influenced by the remarkable social and political revolutions that characterized the latter part of the 18th century.

In order to appreciate the botanical work of the Rev. James Dalton and his contemporaries, it is imperative that we should bear in mind the wonderful inventions about this period (1765-85), and note their effect on the surface of the country.

In so doing, we shall observe that changes have taken place in the flora of certain districts.

The year 1763 witnessed the establishment of the famous potteries of Wedgwood which provided employment for thousands of workers. The invention of the Spinning jenny (1764) by Hargreaves, the Mule (1766) by Crompton, and the Spinning machine (1768) by Arkwright, revolutionized the manufacture of cotton goods; whilst the discoveries of Watts (1765) in connection with the steam engine, marked an important epoch in the history of the British empire.

The distribution of the products of these various industries could not be carried on under the old pack-horse system of conveyance and, in order to provide sufficient means for the transit of goods, old roads were improved, new ones made, and a vast system of canals came into existence which supplied the means of intercommunication with inland towns and the coast, or with centres of industry.

The opening of these canals and the operation of the Agriculture and Enclosure Acts required the draining of carrs and commons, and these important agents affected the flora of the county. Hence we find in the herbarium many specimens marked "from or near to the Ripon canal, or Leeds and Liverpool canal, &c., 1790-1830."

There is also evidence of the wealth of the native plants in such Yorkshire carrs as Staveley and Terrington during the year 1790.

Amongst the interesting plants in the Dalton collection, reference may be made to the singular and rare marsh plant *Scheuchzeria palustris*, L. The honour of adding this rare plant to the British flora belongs to the Rev. James Dalton, who discovered it in Leckby (or Lakeby) Carr, 1787.

This remarkable Carr is situate on the west bank of the river Swale, and in close proximity to the Asenby gravel pits, Topcliffe, and Baldersby, North Yorkshire. The Carr is separated from the river Swale by a low ridge of hills, composed of gravel, shingle, &c., that may have been brought by a glacier in the form of a moraine, and thus a hollow or lake may have been formed, which probably had a natural drainage into the Swale.

This lake soon became tenanted by aquatic plants and animals. Among other interesting plants of the Carr may be mentioned *Lysimachia thyrsiflora*, L. and *Carex limosa*, L. The occurrence of the *Scheuchzeria* in Britain has been recorded from Salop, Notts, Cheshire, Yorkshire and Perthshire, but in the majority of these counties it has become extinct. It is found in the marshes and spongy bogs of North and Mid Europe (Arctic), Northern Asia and Rocky Mountains, and is named in honour of the two Scheuchzers, Swiss botanists.

This curious plant possesses a long creeping root-stock, which is especially adapted to the life and continuance of the species, amongst the dense, spongy beds of bog mosses in which it grows. When Mr. Dalton visited Lakeby Carr (1787-1827) many of these spongy bogs existed, but in 1901 very few remained.

In this particular Carr, which may be regarded as typical of many other Yorkshire carrs, the withdrawal of the water from the roots of the plants, and the growth of trees, have hastened the extinction of this and similar bog loving species such as *Carex limosa* L., besides many forms of animal life which could not survive the altered condition of their surroundings.

In the herbarium there are some remarkably fine specimens of the rare loose-strife *Lysimachia thyrsiflora*, L., which Mr. Dalton collected during his visit to Lakeby Carr (1787-1827).

The distribution of this plant in Britain is from Forfar to Yorkshire and Nottingham, but its occurrence in these counties is very local. It has been observed North of the Alps, and in North America: Northern Asia.

The habitat of the species is in marshes, or by the side of ditches.

In 1787 the ditches in Lakeby Carr produced a luxuriant growth of this species. Since that date, however, the ditches have been deepened, cleaned or extended, and the "weeds and rubbish" cast out. In many instances the plants, etc., thus exposed on the banks soon perished, but the *Lysimachia* has made a more successful stand than its companions, *Scheuchzeria palustris* and *Carex limosa*, L.

In the summer of 1882 and in 1891, hundreds of vigorous plants of *Lysimachia* were observed in Leckby Carr, but only a small proportion exhibited signs of flowers or capsules.

The absence of these usually essential agencies in the growth and existence of the species is in a great measure compensated for by the stout creeping stoloniferous root-stock, which provides for its propagation by annual shoots. Under these altered conditions the *Lysimachia* is still growing, and it is hoped may long continue to thrive in Leckby Carr.

It is obvious that the specimens in Mr. Dalton's collection are of great interest to recent botanists, and their value will become enhanced to succeeding students of British flora. The discovery by the Rev. James Dalton of *Scheuchzeria palustris*, L., and the botanical work done by him may well entitle his name to a place amongst the "Fathers of Yorkshire Botany."

The interesting specimens which Mr. Dalton collected in Cambridgeshire and Suffolk during the years 1787-8, testify to his botanical activity during his stay in Cambridge.

In 1790 we find him carefully investigating the flora of Ripon and Boroughbridge, particularly at Copgrove and Staveley. One of Mr. Dalton's fellow-workers in the Ripon district (1790-1800) was William Brunton, an ardent botanist and frequent contributor to "English Botany, and the Botanist's Guide." Staveley Carrs, Hutton Moor, Ripon canal and neighbourhood yielded (in 1790-1800) a great variety of bog-loving and aquatic plants to these two botanists.

Mention may be made of a specimen in the herbarium, which Mr. Brunton has described as "*Potamogeton fluitans*," near Ripon. The specimen was seen (in 1894) by Mr. Bennett, F.L.S., of Croydon, whose knowledge of this critical genus is extensive, and his opinion is that the plant in question is undoubtedly *Potamogeton fluitans*, Roth., a form which has hitherto only been recorded from (13) West Sussex, (17) Surrey, (29) Cambridge, (31) Huntingdon, (22) Berkshire of the Watsonian Vice Counties.

Mr. Bennett expresses the desire that botanists should confirm the record for this plant in Yorkshire.

After leaving Copgrove, Mr. Dalton went to Catterick Bridge (1791), and thence to Croft on Tees (1805), where he discharged his ministerial duties until his death in 1843.

Croft is pleasantly situated on the Yorkshire side of the Tees, and is much resorted to by tourists and invalids on account of its mineral waters and picturesque surroundings.

Mr. Dalton found it to be a convenient centre during the years 1806-1826 for investigating the flora of Teesdale, and specimens exist in the herbarium which prove that he frequently explored Lower Teesdale, particularly about Yarm, Stockton, Redcar, etc.

The construction of the Darlington and Stockton Railway (1825), the discovery of the mines containing Iron Ore in the Cleveland Hills (1850), and their subsequent development, have completely altered the surface of the country in many parts of Lower Teesdale.

Between 1806-26 the name of Middlesbrough was not known, and is not mentioned by Mr. Dalton. The census of Middlesbrough records the number of inhabitants in 1831 as 154; in 1841, 5463. During the next fifty years the population and trade increased at a remarkable rate. In 1901, the population of the municipal and parliamentary borough of Middlesbrough was over 91,000. The cause of this remarkable energy in the increased trade and population must be sought in the introduction of the iron and steel industries in that district.

Although the Yorkshire coast about Redcar frequently engaged Mr. Dalton's attention, he also loved to ramble amongst the fells of Upper Teesdale, and as a result of these expeditions we have in the herbarium specimens from Pierce Bridge, Wycliffe, Rokeby, Barnard Castle, Middleton, High Force, Cronkley Fell, and Cauldron Snout.

From Piercebridge (where the great Roman road from London to the Forth crosses the Tees), Mr. Dalton frequently made botanical excursions in the old coaching days.

The remarkably rich district from Barnard Castle and Middleton and thence to Cronkley and Mickle fell, was traversed by Mr. Dalton in company with the Rev. J. Harriman.

It may be observed that the flora of Teesdale was then only imperfectly known. The valley only possessed a rough moorland track, whilst accommodation for rest or refreshment was of the

most limited description. Now (in 1906) a splendid road traverses the valley from Middleton to High Force and onward, with comfortable resting places and means of conveyance for the tourist who visits Upper Teesdale.

The specimens in the herbarium from Teesdale are numerous and interesting. Doubts have been raised in regard to some of the specimens which bear the name of Teesdale.

The name may either record a locality (Teesdale) whence the specimen was obtained, or denote the collector or contributor of the specimen (Robert Teesdale).

As an instance of this, there is an interesting plant in the herbarium, viz., *Ranunculus gramineus*, L. (the grassy Crowfoot) which is marked Teesdale.

This species was reported from Wales in 1787, but the record has not been confirmed. The specimen in the collection marked Teesdale was contributed by Robert Teesdale, and was in all probability a cultivated one. It came into the possession of Mr. Dalton shortly before or after the death of Mr. Teesdale, along with many other mementoes of his (Teesdale's) work. The supposition of the specimen of *Ranunculus gramineus*, L., having come from the locality Teesdale, must therefore be dismissed.

Robert Teesdale was one of the original members of the Linnæan Society, and gardener to the Earl of Carlisle. His leisure time was devoted to "herborizing," and his "Plantæ Eboracenses," which he submitted to the Linnæan Society on February 7th, 1793, and supplement, Dec. 4th, 1798, entitles him to rank amongst the "Fathers of Yorkshire Botany." He died in 1804.

In his visits to Beverley, Hull and Holderness (1790-1796), Mr. Teesdale was frequently accompanied by Colonel Machell. It was during these rambles that Robert Teesdale made the acquaintance of such plants as "*Carex axillaris*"; sides of ditches at Beverley, shewn me by Colonel Machell, and "*Stellaria Media*." Sibth. Fl. Oxon. 141. S. Glauca. With 420 "Marshes, near Beverley, first pointed out to me by Col. Machell." *Carex divisa*. "In a meadow called Derricots, near Hull; I never met with it in any other place."

Although Colonel Machell's name is not attached to this species in supplement to the "Plantæ Eboracenses," the specimen in the Dalton herbarium was contributed by R. Teesdale, and collected by Colonel Machell.

Christopher Machell was born in 1747. He was Lt.-Colonel in the 15th Regiment of Foot, and served with the British Forces under General Gage in the American War of Independence. On the 17th June, 1775, he was present at the Battle of Bunker's Hill, and in that fiercely contested and sanguinary engagement the gallant Colonel lost an arm.

He came to reside at Beverley about 1789 or 1790, and his leisure time was devoted to the study of botany, and other branches of natural history. As a natural result of these studies he cultivated the acquaintance of men whose tastes were in sympathy with his own, and of this class Robert Teesdale was one.

Col. Machell was a man of splendid physique, and at Cracken-thorpe, Westmorland (the family seat of the Machell's), there is a portrait of him which exhibits the gallant colonel seated, and resting his arm upon a volume of his "*Hortus Siccus*." He died at Beverley, Yorkshire, on the 24th September, 1827.

The Society is indebted to the late Richard Beverley Machell, M.A., Canon of York, for the above information regarding his grandfather. Canon Machell took a great interest in the welfare of the Yorkshire Philosophical Society, and carefully examined the specimens in the herbarium from the East Riding of Yorkshire.

Dr. Samuel Goodenough was the first treasurer of the Linnæan Society (1788), and a friend and correspondent of the Rev. James Dalton. He was a frequent contributor to botanical literature, and the abbreviated name (Good) is still retained as the author of many of the names of the species in the genus *Carex* in the British flora.

Dr. Goodenough was made Bishop of Carlisle in 1808, and died August 12th, 1827, and was buried at Westminster Abbey.

It may be interesting to insert the following extract from a letter dated May 10th, 1894, which Lt.-Colonel Dalton, R.A., addressed to your honorary curator :—

"Another curious coincidence is that Bishop Goodenough and the Rev. James Dalton were great friends, as are the two grandsons, the present Lt.-Gen. Goodenough, C.B., of the Royal Artillery, and myself, we having been recently associated in bringing out a book, "*The Army Book for the British Empire*," in which the names of Goodenough and Dalton are once more associated after the lapse of a generation."

The frequent occurrence of the name "*Hooker*" amongst the botanical specimens in the Dalton collection, is indicative of the

friendship that existed between the Rev. James Dalton and (Sir) William Jackson Hooker from 1805-1842.

Sir William Jackson Hooker was born at Norwich in 1785. He was educated at Norwich, and early in life he took up the study of natural history as a recreation.

In 1815 he married the eldest daughter of Mr. Dawson Turner, F.R.S., and whilst on his wedding tour he visited Mr. Dalton at Croft.

In 1816 he issued his initial work on "BRITISH JUNGERMANNIÆ," a copy of which is in the library, and to-day this book occupies a foremost position in the literature on the subject.

In 1818 another standard work was issued, "MUSCOLOGIA BRITANNICA," a copy of which is in the herbarium, and bears evidence of the friendship of these two botanists, as follows :—

*"To the Rev. James Dalton, M.A., Rector of Croft, in Yorkshire.
The following sheets are offered as a testimony of the most affectionate regard and esteem by W. J. Hooker and Thomas Taylor."*

In 1820 he accepted the Regius Professorship of Botany in Glasgow University, where he remained 20 years, and it may be remarked that in 1824 he was elected honorary member of the Yorkshire Philosophical Society.

For his distinguished services to science he received the honour of knighthood from William IV. in 1836, and later (1841) he was appointed Director of the Royal Botanical Gardens, Kew. He induced the Government to attach naturalists to all the important expeditions, and by these means he enlarged the herbarium at Kew and increased our knowledge of the vegetable products of the globe. The Kew gardens were opened to the public in 1841, and since then have been the admiration of all botanists.

He died in 1865, and was succeeded at Kew by his son.

(Sir) Joseph Dalton Hooker. This eminent botanist was born in 1817 (at Halesworth, Suffolk), and received his education at Glasgow. He derives the name of Dalton from his godfather, Rev. James Dalton. After taking his degree (M.D.), he received (in 1839) a commission as Assistant Surgeon on the Erebus under Captain (afterwards Sir) James Clark Ross, the leader of the Antarctic Expedition, 1839-1843.

This expedition was the commencement of Sir J. D. Hooker's remarkable botanical researches in the Flora of New Zealand,

Tasmania, Australia, The Himalaya, Morocco (1871), Palestine (1860), and the Rocky Mountains (1877).

The scientific results of these travels are recorded in (Sir J. D. Hooker's) *Flora Antarctica*, *Flora Tasmanica*, *Flora Indica*, and in addition to these works, his name is familiar to all botanists in connection with *Genera Plantarum* (1862-1883), *The Student's Flora of the British Islands*, &c., 1884.

From 1855 to 1885 he was engaged in extending the noble work which (in 1841) Sir W. J. Hooker had commenced at Kew.

Sir Joseph Dalton Hooker was president of the British Association in 1868, in which year he supported the views of Charles Darwin, and was always a firm supporter of the author of the 'Origin of Species.'

He was also president of the Royal Society in 1873.

Hoping that Sir Joseph possessed some personal knowledge of his godfather, an application was made to him on the subject, and the following is a portion of his courteous reply, dated Sunningdale, May 22nd, 1894.

"Some years before Mr. Dalton's death, two of his daughters visited my father in Glasgow, and brought me their father's microscope as a remembrance of him. That microscope I used during the whole time I spent in the Antarctic Expedition, and it is now in the Kew Museum.

"I never saw my godfather, but my father pointed out his house at Croft to me when travelling by coach through that part of Yorkshire some 60 years ago. I remember my disappointment at not being able to stop and visit my godfather."

Rev. William Bingley. The name of "Bingley" is attached to some of the specimens, and may indicate the personal name or the locality where the specimen was obtained.

At the same time it may be observed that the Rev. W. Bingley was a correspondent of the Rev. James Dalton and a contributor to his collection.

The Rev. W. Bingley was a distinguished naturalist, and a Yorkshireman. He was born at Doncaster in 1774, and subsequently became a student of St. Peter's College, Cambridge; taking his B.A. degree 1799, and his M.A. 1803.

In 1798 he made a tour through North Wales, the result of which he summarized in his *Flora of the Snowdonian mountains*. (1798-1801). In 1800 he was elected F.L.S., and in 1802 he

published a work entitled "Animal Biography, or anecdotes of the lives, manners and economy of the animal creation."

He died March 11th, 1823, aged 49.

Amongst the names of the contributors to Mr. Dalton's collection during the years 1785 to 1835, a cursory allusion must only be made to the following:—

Lewis Weston Dillwyn, of Ipswich, F.L.S., 1800, author of "British Confervæ," 1802-07.

Dawson Turner, of Yarmouth, author of "British Fuci," 1802; discoverer in Britain of *Mathiola incana*, 1806, a specimen of which is in the herbarium.

Sir Walter Calverley Trevelyan, who contributed to the herbarium *Nuphar intermedium*, Ledeb., from Wallington moors, Northumberland.

George Don, publisher of "Herbarium Britannicum," 1804-6.

Sir Thomas Gage, Suffolk, a well-known Lichenologist.

Rev. John Harriman, of Maryport, Cumberland, F.L.S. 1798, an ardent botanist, who died at Croft, Yorkshire, Dec. 3rd, 1831.

Rev. John Stevens Henslow, of Rochester, F.L.S. 1818, F.G.S. 1819; Professor of Botany (Cambridge), 1825.

Rev. John Holme, of Cambridge, F.L.S. 1800.

Rev. Richard Relhan, F.L.S. 1788, author of "Flora Cantab.," many of whose specimens are in Mr. Dalton's collection.

Stephen Robson, author of (Robson's) "British Flora," which was published in York, 1777.

A copy of this flora is in the library (York Museum), and many of his botanical specimens are in the herbarium.

The herbarium and correspondence of Stephen Robson is in the possession of Miss Robson, Sunderland, to whom the writer of these notes is indebted for much invaluable information regarding the contributions of "Robson" in the Dalton collection.

Jonathan Salt, of Sheffield, F.L.S. 1797, whose herbarium is in the Sheffield Museum.

William Sole, author of *Menthæ Britannicæ* (1798), a copy of which is in the library of the Society.

Sir Thomas Gery Cullum, of Suffolk, and

Sir James Edward Smith, founder of the Linnæan Society, 1788, and of which he was President, 1788 to 1828.

Samuel Hailstone was born at Hoxton, London, in 1767. A few years afterwards his father, John Hailstone, came to reside in York, and subsequently Mr. Samuel Hailstone was articled with Mr. John Hardy, Solicitor of Bradford.

To Samuel Hailstone and his son, the Yorkshire Philosophical Society is indebted for the splendid collection of British flowering plants, which was presented to the Society in 1859, in addition to the manuscript catalogue of this herbarium in 1887, and many rare books on Botany.

Mr. Hailstone was an eminent lawyer, and for many years was the legal adviser of the Low Moor Iron Company, and clerk to the Leeds and Liverpool Canal Company, in which he was greatly interested.

During the construction of this important canal he collected many botanical specimens, which will be enumerated later on.

During the years 1790-1830 he was intimately connected with the Telfords and Backhouses, of York and Darlington, proprietors of the well-known nurseries.

For many years Mr. Hailstone resided at Horton Hall, Bradford, Yorks., and in the gardens attached to the mansion he cultivated many British plants in which he was especially interested, and he built a greenhouse for the pursuit of his botanical studies.

Mr. Hailstone was elected F.L.S. in 1801, and in the appendix to Dr. Whitaker's "History of Craven," 1812, he published an account of the Flora of that interesting district.

During the latter portion of his life, he frequently made botanical excursions in the neighbourhood of Bottisham, Camb., the residence of his son, the Rev. John Hailstone, who was the vicar of Bottisham for thirty years.

The numerous specimens of Mr. Hailstone's collecting during the years 1840-45, show that the latter portion of his life was spent in studying the Flora of Boston Spa and Thorpe Arch.

He died at Horton Hall, Bradford, on the 26th Dec., 1851, and was buried at Boston Spa Church, Thorpe Arch, Yorks., aged 84. He left two sons, the Rev. John Hailstone, already alluded to, and Edward Hailstone, Esq., a celebrated antiquarian, and author of "Yorkshire Worthies," of Horton Hall, Bradford, and Walton Hall, Wakefield. The last-named mansion was formerly the residence of Charles Waterton, the renowned naturalist.

The contributors to the Hailstone collection of British plants, include many of the names already referred to in the Dalton

collection, also of R. Kaye Greville, LL.D., Glasgow, 1824, author of *Flora Edinensis*, 1824, a copy of which Mr. Greville presented to the Yorkshire Philosophical Society on his election as honorary member, 1824.

Robert Graham, M.D., Edinbro', 1808. Regius Prof. Botany, Glasgow, 1813. President Bot. Soc., Edinbro', 1838; a man who exercised a great influence on the students under his charge, and the botanists with whom he came in contact.

George Stacey Gibson, F.L.S., 1847.

Arthur Henfrey, Prof. Bot. King's College, London, 1852.

William Brand, one of the original members of the Bot. Soc., Edinbro', 1836.

William Borrer, Richard Spruce, W. L. Notcutt, James Backhouse (Junr.), Henry Baines.

H. C. Watson (1804-1881), F.L.S., 1834, author of *Cybele Brit.* (1847-1860). *Topographical Botany*, 1873-4, &c.

William Graham McIvor, Superintendent of the Botanical Gardens, Ootacamund, introducer of the *Cinchona* into India.

Dr. Maclagan, Edinburgh.

William Arnold Bromfield, M.D., Glasgow, 1823. F.L.S. 1836.

James Dickson, F.L.S. 1788, who published fascicles of British Cryptogams, and flowering plants.

Thomas Edmondson, of Shetland (1825), discoverer of *Arenaria norvegica*, a specimen of which is in the Hailstone collection; Naturalist to H.M.S. "Herald," 1845-6, died and was buried at Atacamas, Ecuador, January 24th, 1846.

The Rev. John Howson, of Giggleswick, 1845.

The Rev. John Leefe, Kirkby Fleetham, 1825.

One of the chief contributors to the Hailstone collection was

Richard Spruce, who was born at Ganthorpe, near Castle Howard, Yorkshire, Sept. 10th, 1817. He was the son of a school-master, and his home and birthplace was in the centre of a rich botanical district. The splendid woods and quarries of Castle Howard, and the famous Terrington Carr early attracted his attention, and as a result of the perseverance of this accurate botanist, several rare and remarkable mosses and hepatics were added to the British Flora. In most of his early rambles he was accompanied by Henry Ibbotson, whose career will be referred to later on. These two botanists explored the interesting dales of the Swale, Tees, Esk, Wharfe and Nidd, and many other botanical districts in Yorkshire.

In 1837, Mr. Spruce compiled a list of the Flora of the Malton district, and soon after he was appointed as Mathematical teacher at the Collegiate School, York.

It was during his residence in York that he cultivated the friendship of such botanists as Oswald Allen Moore, Henry Baines, James Backhouse.

Mr. Spruce's botanical work in Yorkshire is embodied in Baines' "Flora Yorkshire," 1840, and Supplement, 1854, and several contributions to the Phytologist, &c.

In 1842 he visited Ireland, and along with Dr. Thomas Taylor devoted much attention to the Cryptogams of the remarkably rich districts of Kerry and Cork, whose Hepatic flora bears such a striking resemblance to that of the Andes.

During 1841-5 he wrote various papers on the Mosses and Hepatics of Eskdale, Teesdale, and other localities in Yorkshire.

He then spent many months in the Pyrenees, which resulted in his "Musculology of the Pyrenees." This journey was undertaken with a view to restoring his somewhat delicate health, and it is interesting to know that the Yorkshire Philosophical Society possesses some of the botanical specimens that Mr. Spruce collected during his excursions in the Pyrenees; also interesting specimens from Heslington fields, York. Since the drainage and enclosure of these fields (1850), many of the plants such as *Carex paradoxa* have disappeared, hence the specimens in the herbarium are invaluable.

Mr. Spruce's remarkable botanical zeal brought him into contact with Dr. Hooker, and other eminent botanists.

On the 7th June, 1849, he left Liverpool for the purpose of exploring the Amazons, and for the next fifteen years he was engaged in investigating the remarkable Flora of South America, from the Atlantic to the Pacific Coast.

On the 12th July, 1849, he landed at Para, and during his stay in this city he investigated the flora of the neighbourhood. From Para he proceeded up the Amazon to Santarem, where he found (the now celebrated Dr.) Alfred Russel Wallace engaged in collecting information relative to the fauna and flora of South America. From Santarem Mr. Spruce explored a large portion of the country, particularly along the Tapajoz and parts of the Amazons.

The following letter, which was written to his friend Mr. Baines, gives a graphic description of Mr. Spruce's labours during this

period (1849-51). The original letter was presented by Miss Baines in June, 1894, to the Yorkshire Philosophical Society.

" Sao Gabriel da Cachoeira,
" Rio Negro,
" 17th Feb., 1851.

" My Dear Sir,

" Nearly three years have elapsed since you and I last met, years (to me) of wanderings, where toil and pleasure have been pretty equally intermingled. In that time I have often had it in my mind to write to you, but somehow had never courage to set about it. I regretted much that I did not see you at Kew, to bid you adieu. I went to the gardens at 1 o'clock as we had arranged, and sought for you in the museum and palm house. Finally I traced you to Mr. Smith's, and there learnt (to my regret) that had I gone thither at first I should have found you, but that you had taken your departure a quarter of an hour previously.

" I have thought since that you were probably offended at my apparent neglect, especially as you did not send me the York papers as you had promised, and as I cannot afford to lose a friend so old and valued as yourself (friends in this world of ours being never too abundant), I wish you to believe (what is the truth) that our not meeting on the occasion alluded to was not owing either to any loss of love, or to want of punctuality on my part. I am not, however, going to fill a letter up with apologies. You will want to know something of what I have seen and done on the Amazons. My previous expectations, in so far as they had taken a definite shape, have been disappointed, both agreeably and disagreeably. After wasting much time in searching for Orchises, I have been compelled to conclude that they are exceedingly scarce, and (in the eyes of cultivators) worthless on the Amazon. It is only on the Rio Negro that I have found two or three handsome ones, one of which (a fine *Cattleya*, apparently new) I have sent alive to England. Gardeners' plants, in short, scarcely exist on the Amazon, where all that is not water is forest, lofty, uninterrupted forest, and the very weeds are trees twenty and thirty feet high. Were handsome plants even numerous, the very slow and unsafe modes of communication with the interior, and the little 'bothering' vessels which are the only means of carriage from Para to England (and have their decks mostly crowded with tigers, snakes, monkeys and other pests to society), render the risk of sending anything alive to England very great. Then this is the most wretched country in the world for getting a man to do a job of any sort. It is a country of slaves (and no white man will work where there are blacks to work), but in this province slaves are very scarce, and the consequence is that hardly anything is done that ought to be done. The Indian population is not so absolutely compelled to work as it was under the Portuguese regime, and as property is a thing unknown to them (what an advantage it is to a country to have in it a certain number of men poor enough to be glad of a job of work), they prefer the precarious existence afforded by the woods and rivers, with independence, to working for the whites, and gaining money and clothes; and who can blame them? I had a crew of six Indians to bring me up the Rio Negro from the Barra; to obtain these I had to send a thousand miles and wait three months. Such are some of the drawbacks and difficulties which have weighed against me, to which may be added the great difficulty of collecting, the necessity of cutting your way through the forest, of climbing or cutting down immense trees, and of preserving what you have collected, for in certain states of the weather specimens mould and fall in pieces, notwithstanding all your vigilance.

" But let us turn to the other side of the picture, the enjoyments and rewards of a botanist in these untrodden wilds, and which happily leave behind them a much stronger impression than all the dangers and hardships.

" If the vegetation of the Amazon be of small importance in the eyes of a European cultivator, in an economic point it is most interesting.

" Many of the most valued gums, drugs, etc., come from the region of the Amazon. Near its mouth are the forests which produce the best kinds of caoutchouc, and about its head water is the native country of the most precious of drugs, quinine. At Santarem I had the pleasure of discovering a new species of *Caoutchouc* (or as we call it *Seringue*), which Mr. Bentham has named *Siphonia Spruceana*, and within these few days I have found another species quite new, also growing above the falls of St. Gabriel. Materials for cordage exist in infinite variety, and at some future time some of them will also be applied to the production of fabrics equal to those of cotton and linen. In the forest are trees probably unrivalled for hardness and durability, some of them excellent for shipbuilding, and existing in sufficient quantity to furnish out fleets for the whole civilized world. Then there is that greatest of all pleasures to the naturalist, however some utilitarians may affect to undervalue it, that of discovering new species, of dotting in (as it were) new islands on the map of nature, and in some cases of even peopling continents that appeared to be deserts. In this I have succeeded far beyond my expectation. Of my Santarem collection, comprising about 800 species, nearly the one half is new, and of those I am now gathering on the Rio Negro I cannot doubt that two out of every three are undescribed. I have several new genera, and some that do not fit well into any described natural order. Since entering the Amazon I have had the pleasure of gathering and studying examples of nearly every natural order of plants, almost the only exceptions are *Cruciferae* and *Umbelliferae* families, with you perhaps the commonest of any. Notwithstanding the complete dissimilarity, viewed as a whole, between Europe and these Equatorial forests, I have yet seen several European Genera produced. There are even a few species, common also to Europe, and two of which are even natives of England. The commonest grass at Santarem was a variety of *Cynodon Dactylon*, and on the sands of the Tapajoz, near the same place, grew *Isoetes lacustris*. In coming up the Rio Negro I was delighted to fall in with a little ADDER'S TONGUE, with a much narrower frond than the English species. At Santarem I fell in with several minute *Utricularias*, mostly leafless, about half of them new.

" Respecting my old favourites, the Mosses and Hepaticæ, I have not a very favourable account to give. About Para, in certain places, there was no lack of them, but they comprised very few species, and I found the same reproduced in small quantities, all the way up the Amazon. In the neighbourhood of Santarem, during the period of 11 months, I found, I believe, only four mosses, indeed there are large districts in that region where absolutely not a moss exists. Here, on the upper Rio Negro, I have fallen in with strips of forest of a very peculiar character called by the Indians 'Caatinga.' The soil is a thin layer of white sand over granitic. The trees are low and stunted, often not exceeding 36 to 40 feet, and they are intermixed with shrubs from 6 to 12 feet high, but the twiners of the great forest are altogether wanting. The trees and shrubs are densely clad with mosses and hepaticæ, even to their slenderest twigs, and amongst these are perched sundry ferns, *Orchises*, *Bromeliaceæ*, *Peppers* and *Arums*, some of the *Fungermannia* are good and the ferns are all interesting, including several species of *Acrostichum*. The *Orchises* are numerous, but mostly *Maxillaria* and *Catasetum*. Just now most of the trees are out of flower, but there are many new to me, and I promise myself a rich treat in exploring these

'Caatingas,' which occur here and there all the way to the Orinoco and up the Rio Uaupes, almost to Sta Fe de Bogota. I have now three boats, one a large one which cost me in the Barra about £30, and has a large cabin where I can stow all my goods, and work at my ease, this for the long voyages. I have besides, two montarias (as we call boats hollowed out of a single trunk), one large enough to admit 8 oars on occasion, and carry a good deal of baggage; the other a small fishing boat, which will only carry two people. I mentioned that I had 6 Indians to bring me up from Barra, but to ascend the falls of Sao Gabriel, which took me three days, I had 11 men at work. In the Pyrenees I used to revel in the Cascades, and think them most lovely things, but depend upon it, it is horrid work going up or down them in a boat. I cannot go on an excursion by water from Sao Gabriel without being in the midst of rapids and falls, the roar of which is ever in my ear. If it is a thing to be bragged of, I can say that I often cross the Equator twice a day, which is more than most people can say.

"The scenery around Sao Gabriel is decidedly the finest I have seen in South America. On all sides are abrupt and picturesque serras, huge masses of granite rising at once out of the plain, and clad with dense forest, save on their perpendicular escarpments. The Serras of Curicuriari, below the great falls, cannot be less than 4,000 feet high. Looking up the river are the Serras de Gama, perhaps not half so high, yet still showing bold peaks. North and South are the lower backed serras, one of which I have ascended. No one has ever ascended the loftier serras, not even the Indians. Their bases are still strewn with huge masses of granite, so thickly overgrown with forest and so twined about with lianas, that to pass them is scarcely possible. I have much more to tell you that you might find interesting, but the limit of a letter will not allow. I hope to write again when I hear from you, which will I trust be soon.

"Tell me how you come on, what additions have been made to the garden and museum, what novelties have been added to the Flora of Yorkshire, how our botanical friends, Moore, Ibbotson and Backhouse are spending their time, and a great deal more. Remember me to Mr. Cook. Tell him he must not come here to see clear skies. The climate is too humid for that. It was a great pleasure to me to see the Southern constellations rise to view, one by one, as I crossed the Atlantic, but as to the brilliancy of the *tout ensemble*, I have not seen anything to beat a Yorkshire sky on a frosty night. He would have been amused had he been with me at the time of the total eclipse of the moon in January. I was ascending the Rio Negro, and was staying the night off a small village a few days journey from Sao Gabriel, when about midnight I was awoken by the screaming of women, the beating of tambourines, and the firing of muskets. I thought at first that these unwonted sounds in the dead of night must be caused by an irruption of Macus (a naked and barbarous race of Indians, frequent in these forests which sometimes murder the settlers and eat them, and lay waste the rocas), but I soon found that Madam Luna was at the bottom of the uproar. They fancied she was 'cutting' it altogether, and these demonstrations were intended to recall her. I told them such treatment was better calculated to frighten the poor creature away, but they took no heed to my counsel, but drummed and cracked away, until the moon showed a clear face again.

"Remember me very kindly to Mrs. Baines and to your daughters.

"Ever your faithful friend,

"RICHARD SPRUCE.

"March 20th.—Until now, I have had no opportunity of despatching this letter. When the last courier started for the Barra, I was on the top of the Serra de Gama (mentioned above). It cost me about a week to effect this, but

in the end I succeeded. I fixed my quarters at the nearest sites, employed three men to cut a way through the forest to the base of the Serra, and to make two huts of palm leaves there. I then took five Indians with me, walked six hours barefoot through the forest and waded through about twenty streams, slept two nights at the Serra, ascended (though with immense difficulty, sometimes scrambled up perpendicular walls by root and twiners) to its very summit, carrying my aneroid barometer all the way. The height is nearly 1,500 feet above the river."

This letter may be regarded as evidence of Mr. Spruce's zeal in the pursuit of botany, and shows that he had a kindly remembrance of his old friends, "Moore, Ibbotson, Backhouse," and the York Museum.

During the succeeding years, 1852-56, Mr. Spruce continued his investigations along the Rio Negro, Uaupes, Orinoco, surveying and constructing maps of rivers which had not been known to Europeans.

In 1857-58 Mr. Spruce visited Ecuador, and explored the banks of the Huallaga, Maranon, Pastasa.

In order to reach Banos, a village at the foot of the volcano Tunguragua, Mr. Spruce had to penetrate the primeval forests of Canelos. For over three months he explored these immense forests, which he declared to be the "richest locality for cryptogams on the face of the globe."

In 1859 Mr. Spruce received a commission from Mr. Markham, on behalf of H.M. Government of India, to visit the *Cinchona* forests of South America, and collect seeds and plants of the best quinine yielding species, for the purpose of introducing them into India for cultivation.

The execution of this arduous task is admirably described in "Travels in India and Peru," by the chief of the expedition, Clements R. Markham, F.S.A., F.R.G.S.

In his prefatory remarks, pp. VII.-VIII., Mr. Markham says:

"To Mr. Richard Spruce . . . the largest share of credit, so far as the South American portion of the enterprise is concerned, undoubtedly belongs.

"I have endeavoured to do justice to his untiring energy and zeal, and to the important service which he has rendered to India."

On the 22nd July, 1859. Mr. Spruce left Ambato for the purpose of ascertaining the best localities in the Quitensian Andes for the *Cinchona* tree, where it grows at from 3,000ft. to 12,000 ft. above the sea.

The work of collecting the bark was conducted by the Indians, and the method adopted by them was destructive and wasteful. The trees are frequently surrounded by natural obstacles which renders the task of collecting hazardous. When the collectors reach the trees the bark is stripped off, rolled up into convenient packages, and carried to the port of shipment.

In 1860 he removed to Lima, and after negotiating with the owners of the forest, he concluded an agreement by which he was permitted to collect as many seeds and plants as he liked, "but not to collect the barks."

The following remarks of Mr. Spruce will serve to illustrate his character and zeal during the performance of his arduous commission :—

"I have seen enough of collecting the products of the forests to convince me, that whatever vegetable substance is needful to man, he must ultimately cultivate the plant producing it." (Report, page 83, and "Travels in India and Peru," page 61.)

"Although upheld by a determination to execute to the best of my ability the task I had undertaken, I was but too often in that state of prostration when to lie down and die would have seemed a relief." (Page 316, "Travels in India and Peru.")

Mr. Spruce was successful in collecting over 600 plants and 100,000 seeds of the most valuable species, *Cinchona succirubra* (red bark), and with these he started for Guayquil, 28th Sept., 1860.

With the able assistance of Dr. Taylor and Mr. Cross, these treasures reached Guayquil, Dec. 27th, 1860.

"They were safely embarked on board the steamer for India in charge of Mr. Cross, Jan. 2nd, 1861.

"On May 1st, 1861, the Legislature of Ecuador decreed that every person, whether foreigner or native, should be forbidden to make collections of plants, cuttings or seeds of the Quina tree, and that precautions should be taken to prevent those articles from passing the forts and frontiers of the Republic.

"A fine of 100 dollars on every plant and every drachm of seed was imposed on those who attempted to break this decree. But on May 1st, 1861, the plants and seeds of the Quina tree were safe in the Neilgherry hills in Southern India." (Markham's "Travels in India and Peru," p. 322).

Since 1861 the cultivation of these valuable trees has been conducted with remarkable success, to the benefit of the cultivators

and the human race. In the Government plantations alone in India there are now (1906) several millions of trees.

Mr. Spruce continued his observations in the neighbourhood of Guayaquil and the Pacific Coast (1861-64), and devoted his attention principally to the Hepaticæ. The hardships he had undergone were aggravated by the loss of all his savings through the fraud of a banker, so that when he got to Guayaquil he found himself without any money.

After fifteen years of "toil and pleasure" he returned to England (1864), and retired to Coneysthorpe, near Castle Howard, where, during the last few years of his life, he received a small pension which the Government granted to him for his services to the State.

His remarkable collection of plants, consisting of over 7,000 species, is in the National Herbarium at Kew. In addition to the valuable information regarding the economic uses of several important genera (such as *Siphonia*, from which we obtain our chief supply of *caoutchou* or *India rubber*), his MS. contained vocabularies of over twenty Amazonian languages and other important scientific records.

In 1864 he received the degree of Doctor of Philosophy (Berlin) in recognition of the distinguished services which he had rendered to Science.

From 1864 to 1893 he devoted his leisure time to the study of his early favourites, the Hepaticæ.

His "Hepatics of the Amazon and Andes," a volume of near 600 pages with 22 plates, was published in 1884-5, and has been described as the most "logical and scientific classification of the group that has been evolved."

It is a pleasing thing to know that Mr. Spruce derived much pleasure and instruction from his visits (1836-1848) to the Dalton and Middleton collection of plants in the York Museum, and his friendship with Mr. Henry Baines (and members of his family) is acknowledged by the author of the "Flora in Yorkshire," and is endorsed (1851) in the letter already referred to.

The specimens of flowering plants which Mr. Spruce contributed to the Museum (1835-1836) record the earnestness and accuracy that characterized the works of this distinguished botanist and honoured Yorkshireman.

Additional evidence of this kindly feeling may be found in the following extract from a letter by Dr. Spruce to the writer of these notes;—

" Coneysthorpe, Nov. 3rd, 1892.

" I hope you collect mosses. This is a good season for them, after such a rainy summer and autumn. Dr. Braithwaite who visited our old Park quarry a fortnight ago, was delighted to see great flakes of *Brachyodus trichodes* and other rarities in fruit spreading over the soft sandstone.

" I study now only tropical Hepaticæ, but I am turned 75, and although my eyes do not fail me, I have become almost a complete fixture.

" Remember me very kindly to Miss Baines, whom I cannot hope to see again, unless she should ever come this way, and believe me to remain,

" Ever faithfully yours,

" RICHARD SPRUCE."

Dr. Spruce died on the 28th December, 1893, and his remains were laid at rest, December 31st, 1893, in the quiet churchyard at Terrington, near Castle Howard, beside his father and mother.

Henry Ibbotson was born at Ganthorpe, and was baptized at Terrington, as under :—

" Henry, son of John and Elizabeth Ibbotson, gardener, Ganthorpe ; baptized May 7th, 1814, by Robert Freer, curate."

His youthful days were spent in company with Richard Spruce (who was a native of the same village) in exploring the dales and woods around Castle Howard.

He was appointed Schoolmaster of Mowthorpe, near Castle Howard, but the sedentary occupation does not appear to have been congenial to his botanical tastes. He loved to be free and independent, and preferred to spend his time wandering amongst the mountains and dales of England, Scotland, Wales and Ireland in search of mosses, &c., rather than perform his duties in the schoolroom.

These two botanists (Ibbotson and Spruce) were constantly together between the years 1826-40. Up to the time of Mr. Spruce's departure from England (1849), they often had excursions together in search of mosses, hepatics, &c.

Henry Ibbotson was the author of several papers on botanical subjects in the *Phytologist*, *Flora Yorkshire*, Newman's *British Ferns*, &c. "Rare plants found near Castle Howard," *Phyt.* Vol. I. part 2, 577-9. "Mosses found near Castle Howard," *Phytologist*, Vol. I., part 2, pp. 781-2. October 20th, 1843.

In Article XXXVI., pages 101-4, part 1 of the *Phytologist*, there is an interesting paper entitled "Three Days on the Yorkshire Moors," by Richard Spruce. "This journey was undertaken," says Mr. Spruce, "in company with a botanical friend, Mr. Henry

Ibbotson, of Ganthorpe, principally with a view of exploring Whitsoncliffe, on the western edge of the Oolitic Hills, and the Hole of Horcum on the high moors between Pickering and Whitby, 1841."

In 1848, Mr. Ibbotson published a catalogue of the Phœnogamous plants of Britain, with a copious list of synonyms, which met with a large circulation, and on the occasion of Her Majesty's visit to Castle Howard, Yorkshire, August, 1850, he published a most interesting description of the natural and pictorial features of Castle Howard and neighbourhood. His last work was on the "Ferns of York, &c., in which he was assisted by Messrs. B. B. Le Tall and A. R. Waller.

Whilst Richard Spruce was toiling on the Amazons and Andes, Henry Ibbotson was sinking in his social position, and the precarious mode of his existence compelled him to associate with all sorts of itinerant characters.

The following letter indicates Mr. Ibbotson's position in 1882:—

"2, Grape Lane,

"Sunday, September, 1882.

" When I got home I had not a penny to pay lodgings with. I got credit first, however, under a promise of paying it to-day, so that to save unpleasantness I must fulfil that promise, and that will take 8d. to do it. Being Sunday I have no access to any other place where I could get it to-day, or depend upon it, I would never have thought, after all the obligations I have been under to you, of troubling you. To-morrow I can go and fetch *Digitalis* for Bleasdales, and that will afford me temporary relief, but I have the interval to get over between this and to-morrow night, if even my old boots will carry me over the distance."

The writer of these notes recalls with pleasure the many rambles he had with Mr. Ibbotson in Teesdale, Castle Howard, and elsewhere; and although Mr. Ibbotson's position was a little brighter in 1883-4, the trying conditions of his life had told heavily on his grand constitution, and he died after a short illness on the 12th February, 1886.

Henry Baines was born on the 15th May, 1793, in a cottage over the cloisters of St. Leonard's Hospital, York. The cloisters at that time were occupied by Mr. Suttle, a wine merchant, and used by him for the storage of wines, &c.

At the age of 12, Henry Baines commenced gardening operations on the site now occupied by the fountain and pond near to St. Leonard's Hospital.

From York Mr. Baines went to Halifax as a gardener, and it was during his residence at Halifax that he formed the acquaintance of such ardent naturalists as Samuel Gibson, Abraham Stansfield, John Nowell, William Wilson, &c.

Mr. Baines returned to York and entered the service of Messrs. Backhouse, and subsequently (1828-9) he was appointed sub-curator to the Yorkshire Philosophical Society.

The Report of the Yorkshire Philosophical Society, 1830, states "The Council consider themselves fortunate in the person whom they have engaged to take charge of the grounds; a person qualified by his skill and industry, not only to cultivate the gardens with scientific diligence, but to render essential service to the museum. His activity has already obtained for the Society over 500 plants."

Mr. Baines evinced great interest in horticultural exhibitions, and his services were usually in requisition as a judge of plants.

Prof. Phillips was also anxious that Mr. Baines should go to Oxford, but could not induce him to go.

In 1840 Mr. Baines published his "Flora of Yorkshire," which was a most important contribution to Yorkshire Botany, and during the compiling and publication of this work, Mr. Spruce was a frequent visitor to the Museum and Mr. Baines' residence, "Sunday afternoons" being generally spent together.

It is interesting to know that in 1833 a Horticultural Exhibition was held in the Museum Gardens, which realized the sum of £300, and similar exhibitions were held in later years.

In 1870 Mr. Baines, owing to declining health, placed his resignation in the hands of the Council, and in consideration of his "forty years faithful service" he was allowed to reside in the place that was so dear to him, and enjoyed a liberal pension.

He died at his residence in the Museum Gardens, York, April 1st, 1878.

James Backhouse was born on October 22nd, 1825. Early in life he was interested in botany, and for a long period was associated with his father, James Backhouse (1843-1865), in studying the British flora; hence his specimens in the herbarium are entered "James Backhouse, Junr." He was intimately connected with the leading botanists of that time, and his monograph of the BRITISH HIERACIA (1856) is a record of accurate work.

He died on the 31st August, 1890.

Giles Munby was born in 1813 at York, and was the youngest of the three sons of Joseph Munby, of St. Andrewgate House, York. Joseph Munby belonged to a family which had been settled at Sutton St. James, in Holderness, since the time of Elizabeth. He, however, after being articled to the Town Clerk of Hull, removed to York, and practised there successfully as a lawyer; holding also certain local offices, as, for instance, that of Under Sheriff of the County. He was a man of some literary talent. Portions of an unpublished poem of his on York were printed a few years ago in "Notes and Queries." His son Giles was educated at the University of Edinburgh, where he obtained amongst other things the gold medal for botanical research, and where he attended the clinical lectures of the University, with a view of becoming a physician. From there he went to Paris, and studied there for three years (1834-36) under various medical professors, obtaining experience and practice in surgery at the Hospital of La Pitie. Meanwhile his reputation as a botanist had been growing, insomuch that in December, 1836, at the age of twenty-three, he was appointed apparently without any effort of his own, to be Professeur de Botanique au Musée Pyrénéen de St. Bertrand de Comminges in the Haute Garonne. He went to reside there accordingly, and held his appointment for three or four years, making himself popular at St. Bertrand and exploring the country for botanical purposes from Pau and Tarbes to Prades and Perpignan, in company with Frenchmen and Englishmen of like tastes with himself. He still, however, desired to qualify as M.D., and to that end he removed (after a farewell dinner given to him by the Municipality of St. Bertrand) to Montpellier, then one of the best medical schools on the continent, but his love of botany and adventure again led him away from medicine. He crossed over to Algeria on a shooting excursion, and liked that country so well that he eventually settled there. At Oran he married a daughter of the British Consul, Mr. Welsford. For many years he resided near Oran, at his own country house La Senia, acting as British Vice-Consul after Mr. Welsford's death, but occupying himself chiefly in studying the native flora, and in shooting and botanizing in the interior.

He spoke Arabic as well as French and Spanish, and this, together with his medical skill, gave him much influence over the Arabs, who came to him for gratuitous advice, and looked upon him as an Hakim. Such an influence was of great use to a

sportsman and botanist, and it helped him to complete his “Flora of Algeria.” This work, written by him in French, was published at Paris in the year 1847.

After the loss of his wife, who died in 1860, Giles Munby returned with his family to England. He married “en seconde nocces” in 1862 a daughter of Lieut. Charles Elliot Buckeridge, of the Madras Army, and settled at Mary Holt, near Farnham, where he died in 1876. He was buried in the churchyard of Rowledge, the parish in which Mary Holt is situate.

A portrait of Giles Munby hangs in the galleries at Kew amongst those of other eminent botanists, and it may be added that Sir Joseph Dalton Hooker, the late Director of Kew, was a friend of his. His other chief friends in England were Dr. Percy, of Birmingham, who had been a fellow student with him at Paris; and Professor Edward Forbes, whose amiable character and high attainments are still affectionately remembered.

The thanks of the Society are due to Mr. A. J. Munby for the above information, which he communicated in 1894. It is pleasing to know that the herbarium contains many specimens collected by Mr. Giles Munby in Scotland, such as *Linnaea borealis*, &c.

HENRY J. WILKINSON.



CATALOGUE OF BRITISH PLANTS
IN THE HERBARIUM
OF THE
YORKSHIRE PHILOSOPHICAL SOCIETY.
PART I.

CATALOGUE OF BRITISH PLANTS
IN THE HERBARIUM
OF THE
YORKSHIRE PHILOSOPHICAL SOCIETY.

H. J. WILKINSON, *Honorary Curator.*

In order to render the Herbarium useful to those members who are interested in the Study of Botany, either in regard to the classification or distribution of plants, or the diagnosis of genera and species, an attempt has been made to arrange the specimens in accordance with the Natural System adopted in the London Catalogue of British Plants (eighth edition, 1886-90).

In doing this the specimens constituting the various Herbaria will be clearly defined in the Herbarium Catalogue.

The consecutive numbers which appear on the left hand of the names of the plants denote the position of the specimen in the Herbarium and Catalogue.

For the nomenclature and distribution of the plants, the following works have been consulted:—Sir Joseph Dalton Hooker's Students' Flora of the British Islands, 3rd Edition, 1884; H. C. Watson's Topographical Botany, 2nd Edition, 1883, and the London Catalogue already alluded to.

The Honorary Curator is deeply indebted to Mr. Arthur Bennett, F.L.S. (Croydon), for his kindness in establishing the identity of several of the specimens, in addition to the practical advice that he has so freely given on many occasions.

RANUNCULACEÆ.

	DATE.	COLLECTOR.	HERBARIUM.
1. Clematis Vitalba, L.			
Old Man's-Beard. Traveller's Joy.— <i>Hedges on Calcareous soil.</i>			
From Stafford and Denbigh southward.			
<i>Distrib.</i> Europe, from Holland southward; N. Africa, W. Asia.			
<i>Sp.</i> from			
Bottisham, Camb. Eastbourne, Sussex	(1840)	S. Hailstone	Hailstone
In the hedge of the plantation near to Chestnut Grove, Thorparch, Yorks, as you enter the town from Collingham	"	"	"
In the hedge of the plantation on the right going down to Boston Spa (Yorks), no doubt introduced there	1850	"	"
Leigh Woods (Somerset)	1824	Rev. J. Dalton	Rev. J. Dalton
Near Croft (Yorks)	1812	"	"
Near Whitby (Yorks)	1820	W. Middleton	Middleton
Dunkettle (Co. Cork)	1893	R. A. Phillips	Wilkinson
Leigh Woods (Somerset)	1886	H. Fisher	"
2. Thalictrum alpinum, L.			
Alpine Meadow-Rue.— <i>Wet rocks, alpine moors and rill-sides.</i>			
From Shetland to York and Carnarvon.			
<i>Distrib.</i> N. and Arctic Europe; N. and W. Asia to Himalaya, and N. America.			
<i>Sp.</i> Ben Lawers (Perth) 1809, Cronkley			
Fell (Yorks)	1810	W. Middleton	Middleton
Clova Mountains (Forfarshire) ..	July, 1833	Giles Munby	Munby
Cronkley Fell (Yorks)	1830	H. Baines	Walker
Ben Lawers (Perth)	(1812)	J. Dalton	Rev. J. Dalton
Clova Mountains (Forfarshire) ..	(1820)	W. J. Hooker	"
Scotland	1770	Mr. Robson	"
Cronkley Fell (Yorks)	July, 1886	H. J. Wilkinson	Wilkinson
Cronkley Fell (Yorks)	1826	S. Hailstone	Hailstone
Clova Mountains	1843	O. A. Moore	Moore

3. *Thalictrum minus*, L.

Small Meadow-Rue.—*Stony and Sandy places.*

From Orkney southwards.

Distrib. Europe (Arctic) N. Africa, N. and W. Asia to the Himalaya, Greenland.

Sp. Cader Idris (Merionethshire), Glencoe (Argyleshire) Aberdeen ..

Queen's Ferry, N. (Fifeshire) ..

Gordale (W. Yorks) 1799, 1807, Bramham (Yorks) 1801

Redcar (Yorks) 1826, Hartlepool (Durham)

Thorparch (Yorks)

DATE.	COLLECTOR.	HERBARIUM.
1809, 1820	W. Middleton	Middleton
1820	Rev. J. Dalton	Rev. J. Dalton
	S. Hailstone	Hailstone
1799		
1838	H. Baines	Walker

3c. *Thalictrum flexuosum* Reichb.

THALICTRUM MAJUS, SM.

Zigzag Meadow-Rue.—*Bushy stony places.*

From Perth, Southward.

Sp.

Near Darlington (Durham)

Gordale (Yorks) 1800, Jackdaw Crag,

Thorparch, 1831

Falls of the Tummell (Perthshire) ..

Near Croft (Yorks)

Near Thorparch (Yorks)

1826	J. Backhouse	Hailstone
	S. Hailstone	„
1829	„	„
1812	J. Dalton	Rev. J. Dalton
1838	H. Baines	Walker

4. *Thalictrum Saxatile*, D.C.

Stone Meadow-Rue.—*Hills Camb. and Somerset.*

	DATE.	COLLECTOR.	HERBARIUM.
5. <i>Thalictrum flavum</i>, L.			
Yellow Meadow-Rue.— <i>River banks and wet meadows.</i>			
From Fife and Argyle southward; rare in Scotland, local in Ireland.			
<i>Distrib.</i> Europe (Arctic); N. Asia.			
<i>Sp.</i> Banks of the Swale, Brafferton, (Yorks)	June 9, 1834	Rev. W. Gray	Walker
Fields out of North Street Postern, York	1801	S. Hailstone	Hailstone
Whalley, Lancashire	1807	"	"
Clifton Ings, York	1810	W. Middleton	Middleton
North Side of the Derwent above Malton	1820	"	"
6. <i>Anemone Pulsatilla</i>, L.			
Pasque Flower.— <i>Pastures on calcareous soil.</i>			
From York to Norfolk, Essex, and Gloucester.			
<i>Distrib.</i> Europe, N. Asia to Dahuria.			
<i>Sp.</i> Near Bramham, Yorks. ..	1810	W. Middleton	Middleton
Devil's Ditch, Newmarket, Cambs. ..	1790	J. Dalton	Rev. J. Dalton
Gog Magog Hills, Cambs.	1802	S. Hailstone	Hailstone
Devil's Ditch, Cambs.	1840	Miss J. Hailstone	"
Ancaster, Lincolnshire	May 1, 1892	H. Fisher	Wilkinson
Ferrybridge; Broadsworth; Bramham, Yorks.	1838	H. Baines	Walker
7. <i>Anemone nemorosa</i>, L.			
Wind Flower. Wood Anemone.— <i>Woods and Copses.</i>			
From Sutherland, Southward.			
<i>Distrib.</i> Europe (Arctic); W. Siberia; N. America.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
York	1806	S. Hailstone	Hailstone

	DATE.	COLLECTOR.	HERBARIUM.
York	1810	W. Middleton	Middleton
Near the Railway Bridge, Poppleton,			
York	Ap. 18, 1890	H. J. Wilkinson	Wilkinson
York	1838	H. Baines	Walker

8. *Anemone ranunculoides*, L.

Yellow Wood Anemone.—*Ornamental Grounds.*

<i>Sp.</i> Lincolnshire	1840	Miss Stovin	Hailstone
Cultivated Specimens from Robt. Teesdale	1790		Rev. J. Dalton

9. *Anemone apennina*, L.

Blue Mountain Anemone.—*Parks and copses.*

In the Orchard at Mayroyd ..	1810	S. Hailstone	Hailstone
Wimbledon Woods. Surrey ..	(1800)		Rev. J. Dalton
Teesdale (Robt.)	1790		„

10. *Adonis autumnalis*, L.

Pheasant's-eye.—*Cornfields, chiefly on chalk.*

South of England.

Distrib. Europe; W. Asia; N. Africa.

<i>Sp.</i> Cobham, Kent	1843	A. Henfrey	Hailstone
Between Aixton and Cobham, Kent ..	1826	Dr. Bromfield	„
Banks of the Thames, near Dartford ..	1820		Rev. J. Dalton
Near Shorne, Kent	1810	W. Middleton	Middleton
Abundant and wild at Wilmington, Kent	1845	E. E.	Rev. J. Dalton, jr.

11. *Myosurus minimus*, L.

Little Mousetail.—*Sandy Cornfields and gravel-pits.*

From Northumberland to Kent and Devon.

Distrib. Europe; W. Asia; N. Africa.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Ripon	1800	Brunton	Hailstone
Near Welburn, Castle Howard, Yorks.	1790	R. Teesdale	Rev. J. Dalton
Cambridgeshire	1796	Rev. R. Relhan	„
Yorkshire	1820	Rev. J. Dalton	„
Fields at Staveley near Borobridge, Yorks.	„	W. Middleton	Middleton
Fields at Holgate, York; and Staveley, Yorks.	1834	H. Baines	Walker
Claygate, Surrey	May, 1879	H. Goss	Wilkinson

12. *Ranunculus circinatus*, Sibth.

Rigid-leaved Water Crowfoot.—*Ponds and Streams.*

From Forfar southward.

Distrib. Europe (Local); N. America.

<i>Sp.</i> Ditch in Bottisham Fen, Cambs., midway between the Lode and the public house called the Knave of Clubs on the right	1845	S. Hailstone	Hailstone
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13. *Ranunculus fluitans*, Lam.

River Water Crowfoot.—*Deep running water.*

From Clyde, Southward.

Distrib. Europe.

<i>Sp.</i> Swiftly running water (River Trent), Newark, Notts.	June 1, 1892	H. Fisher	Wilkinson
River Sence near Twycross, Leicestershire	July, 1845	A. Bloxam	Hailstone

	DATE.	COLLECTOR.	HERBARIUM.
13b. Ranunculus fluitans, Lam. var. Bachii, Wirtg. Bach's River Crowfoot.— <i>Deep Running</i> <i>water.</i>			
14. Ranunculus pseudo- fluitans, Bab. Water Crowfoot.— <i>Rivers.</i> From Orkney southward. <i>Distrib.</i> Europe (Arctic); N. America. <i>Sp.</i> River Swale, near Richmond, Yorks.	1820	J. Dalton	Rev J. Dalton
15. Ranunculus tricho- phyllus, Chaix. Water Fennel.— <i>Ponds and Ditches.</i> From Orkney southwards. <i>Distrib.</i> Europe; W. Asia; Himalaya; N. America.			
16. Ranunculus Drouettii, Godr. Drouett's Water Crowfoot.— <i>Ponds and</i> <i>Ditches.</i>			

	DATE.	COLLECTOR.	HERBARIUM.
17. Ranunculus heterophyllus. Various-leaved Water Crowfoot.— <i>Ponds and Streams.</i> From Orkney southward. <i>Distrib.</i> Europe (Arctic); N. America; N. Asia.			
18. Ranunculus peltatus. Sweet-scented Water Crowfoot.— <i>Ponds and Streams.</i> From Orkney southward.			
18c. Ranunculus floribundus, Bab. Many-flowered Water Crowfoot.— <i>Ponds.</i> (<i>Marked aquatilis</i>). Near Redcar, Yorks.	1820	J. Dalton	Rev. J. Dalton
19. Ranunculus Baudotii, Godr. Baudot's Water Crowfoot.— <i>Brackish Water.</i> Near the Sea, from Caithness southward. <i>Distrib.</i> W. Europe. In the ditches between Booth Ferry and Goole, Yorks. (<i>Sub nom. R. aquatilis</i>).	May 29, 1812	S. Hailstone	Hailstone

	DATE.	COLLECTOR.	HERBARIUM.
Askham Bogs, York	1806	S. Hailstone	Hailstone
Ditch beyond Great Wilbraham, going towards Fleam Dyke, Cambs. ..	1845	..	..
Sessay Common, Yorks., in a part liable to be flooded	June 7, 1834	Rev. W. Gray	Walker
25b. Ranunculus, Flam- mula, L. var. pseudo- reptans, Syme.			
Procumbent Lesser Spearwort.— <i>Damp Places.</i>			
<i>Sp.</i> Lakes on Snowdon	1810	W. Middleton	Middleton
26. Ranunculus reptans, L.			
Creeping Spearwort.— <i>Inundated lake- shores, Loch Leven.</i>			
<i>Distrib.</i> N.W. Europe; Canada.			
27. Ranunculus Lingua, L.			
Greater Spearwort.— <i>Marshes and Pond- sides.</i>			
From Aberdeen southward.			
<i>Distrib.</i> Temp. Europe; N.W. Asia to the Himalaya.			
<i>Sp.</i> Copgrove, Yorkshire	1790	J. Dalton	Rev. J. Dalton
Croft, Yorkshire	1806	..	..
Askham Bogs, York	1840	O. A. Moore	Moore
Askham Bogs, 1806, Seamer Mere, Scarbro' Yorkshire	1813	S. Hailstone	Hailstone
Askham Bogs, 1892, Bog near Kirk- ham Priory, Yorkshire	1892	H. J. Wilkinson	Wilkinson
Side of the Ouse opposite Mr. Watson's house, Yorkshire	1812	W. Middleton	Middleton

28. *Ranunculus auricomus*, L

Goldilocks.—*Woods, chiefly on limestone.*

From Aberdeen southward.

Distrib. Europe (Arctic); N.W. Asia to the Himalaya.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Ben Nevis	1809	W. Middleton	Middleton
Wood at the end of footpath, and over Jackdaw Crag, Boston Spa, Yorks.	May, 1832	S. Hailstone	Hailstone
Lane between Knavesmire and Dring-houses, York	May 1892.	H. J. Wilkinson	Wilkinson
Copgrove Yorks.	1790	J. Dalton	Rev. J. Dalton

29. *Ranunculus acris*, L

Upright Meadow Buttercup.—
Meadows, &c.

Distrib. Europe (Arctic); N. Asia; introduced in America.

<i>Sp.</i> Copgrove, Yorkshire	1790	J. Dalton	Rev. J. Dalton
York	1806	S. Hailstone	Hailstone
York	1810	W. Middleton	Middleton
Specimen marked <i>R. acris</i> var. <i>parviflora</i> , Hackfall, Ripon	1830	J. Dalton	Rev. J. Dalton

30. *Ranunculus repens*, L

Creeping Crowfoot.—*Meadows and pastures.*

Distrib. Europe (Arctic); N. and W. Asia; N. Africa; introduced in America.

<i>Sp.</i> Brafferton, Yorks.	July 17, '34	Rev. W. Gray	Walker
York (1820), Snowdon, Wales (1810)		W. Middleton	Middleton
Dullingham Gravel Pits, Cambs. ..	Aug. 1843	S. Hailstone	Hailstone

31. Ranunculus bulbosus, L.

Common Buttercup.—*Meadows and pastures.*

Distrib. Europe; Asia; N. Africa; introduced in America.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> York	1800	S. Hailstone	Hailstone
Copgrove (1790), Croft, Yorks. (1806)		J. Dalton	Rev. J. Dalton
York	1810	W. Middleton	Middleton

32. Ranunculus hirsutus, Curt.

Hairy Crowfoot.—*Waste land and Corn-fields.*

From Forfar southward.

Distrib. Europe; W. Asia, and N. Africa.

<i>Sp.</i> Banks (by the sea) between Withernsea and Tunstall, Yorks., in abundance	Aug. 1, 1892	H. J. Wilkinson	Wilkinson
Side of Pond, Skipwith Common, Yorks., casual	Aug. 26, 1892	"	"
Near Muskham Wood, Newark, Notts.	June 19, 1892	H. Fisher	"
Near Norwich	1820	J. Backhouse	Hailstone

32b. Ranunculus hirsutus, Curt., var. parvulus, L.

Wet heathy ground.

Sp. In a field between Coatham and the Tees. A variety of *hirsutus* as I have proved myself by cultivation, S. Hailstone

1800	S. Hailstone	Hailstone
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	DATE.	COLLECTOR.	HERBARIUM.
33. Ranunculus parviflorus, L.			
Small-flowered Crowfoot.— <i>Dry banks and Cornfields.</i>			
From Durham southward.			
<i>Distrib.</i> Europe, from Denmark southward; W. Asia; N. Africa; introduced into America.			
<i>Sp.</i> Near Darlington, Durham ..	1820	J. Backhouse	Hailstone
Southampton	"	Dr. Bromfield	"
Croft, Yorks. (1826), Ripon (1830) ..		J. Dalton	Rev. J. Dalton
Crakehall, near Bedale, N. Yorks. ..	July, 1830	"	"
Specimens from Mr. Robson and Sir T. Gage (1780), no locality ..			"
34. Ranunculus arvensis, L.			
Field Crowfoot.— <i>Cornfields.</i>			
From Perth southward.			
<i>Distrib.</i> Europe (temp.); Asia to India; N. Africa.			
<i>Sp.</i> Acomb, York	June 4, 1890	H. J. Wilkinson	Wilkinson
Heslington Fields, York	1838	O. A. Moore	Moore
Ripon	1850	J. Dalton, jr.	Rev. J. Dalton, jr.
Between Brafferton and Borobridge, Yorks.	June 30, 1834.	Rev W. Gray	Walker
Plentifully in the fields between Booth Ferry and Howden, Yorks. ..	May 28, 1822	S. Hailstone	Hailstone
36. Ranunculus Ficaria, L.			
Pilewort. Lesser Celandine.— <i>Woods and damp shady places.</i>			
From Shetland southward.			
<i>Distrib.</i> Europe (Arctic); W. Asia and N. Africa.			
<i>Sp.</i> Brafferton, Yorks.	Ap. 2, 1835	Rev. W. Gray	Walker
York	1840	O. A. Moore	Moore
Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Side of Ditch, Clifton Ings, York ..	April, 1892	H. J. Wilkinson	Wilkinson

	DATE.	COLLECTOR.	HERBARIUM.
37. <i>Caltha palustris</i>, L.			
Marsh Marigold.— <i>Marshy places.</i>			
Shetland southward.			
<i>Distrib.</i> Arctic Europe; N. and W. Asia; N. America.			
Specimens from Yorkshire?	(1820)	?	Rev. J. Dalton
Yorkshire	"	"	W. Middleton
York	1806	S. Hailstone	Hailstone
Clifton Ings, York	March, 1890	H. J. Wilkinson	Wilkinson
37c. <i>Caltha palustris</i>, var. <i>minor</i>, Syme.			
Lesser Marsh Marigold.— <i>Subalpine marshes.</i>			
Specimens from Yorkshire?	1800	J. Dalton	Rev. J. Dalton
Cauldron Snout, Teesdale, and near Todmorden, W. Yorks.	1838	H. Baines	Walker
38. <i>Caltha radicans</i>, Forst.			
Creeping Marsh Marigold.— <i>Forfarshire.</i>			
Specimen from the Botanic Garden, Edinburgh	(1830)		Rev. J. Dalton
39. <i>Trollius europæus</i>, L.			
Globe Flower.— <i>Subalpine pastures and Copses.</i>			
E. Cornwall to Shetland.			
<i>Distrib.</i> Europe (Arctic) to the Caucasus.			
<i>Sp.</i> Beckdale, Helmsley, Yorks. ..	June 3, 1890	H. J. Wilkinson	Wilkinson
Helk's Wood, Ingleton, W. Yorks. ..	June, 1840	O. A. Moore	Moore
Near Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Pastures in Teesdale	1820	W. Middleton	Middleton
Malham (near Settle, Yorks.) by the river below the Cove	1810	S. Hailstone	Hailstone
Wensleydale	1840	J. Dalton, jr.	Rev. J. Dalton, jr.
Field in which the Octagon House stands at Malham Tarn, Yorks. ..	1808	S. Hailstone	Hailstone

	DATE.	COLLECTOR.	HERBARIUM.
Malham Tarn	1799	S. Hailstone	Hailstone
Rombald's Moor; Thornton Moor; Teesdale, &c.	1835-38	H. Baines	Walker
40. Helleborus viridis, L.			
Green Hellebore.— <i>Woods, &c., on limestone.</i>			
S. and E. England.			
<i>Distrib.</i> Europe, Holland southward.			
Specimen from Mr. Robson	(1790)		Rev. J. Dalton
<i>Sp.</i> From Dunglass, Dumbarton ..	(1800)	Dr. Murray	"
Kirby Fleetham, N. Yorkshire ..	1825	John Leefe	Hailstone
Dunkstone, near Bury St. Edmunds, Suffolk	(1830)	Dr. Bromfield	"
Coneythorpe, Yorkshire	1836	H. Baines	Walker
Banks of the Nidd opposite the Mill (Knaresboro')	1790	J. Dalton	Rev. J. Dalton
41. Helleborus foetidus, L.			
Stinking Hellebore.— <i>Thickets on chalk.</i>			
S. and E. England.			
<i>Distrib.</i> W. Europe from Belgium southward.			
Near Pyecombe, Sussex .. .	(1800)	Borrer	Rev. J. Dalton
Campsall, Doncaster	(1790)	Teesdale	"
Frizor (or Feizor) 3 miles from Settle, Yorks.	March, 1833	John Howson	Hailstone
Specimens, no locality			Rev. J. Dalton
42. Eranthis hyemalis, Salisb.			
Winter Aconite.— <i>Plantations.</i>			
<i>Distrib.</i> W. Europe, from Belgium southward.			
Near the Archbishop's grounds, Bishop- thorpe, York (alien)	March, 1890	H. J. Wilkinson	Wilkinson

43. <i>Aquilegia vulgaris</i> , L.	DATE.	COLLECTOR.	HERBARIUM.
Columbine.— <i>Woods and thickets.</i>			
<i>Distrib.</i> Europe; N. Africa; N. and W. Asia to the W. Himalaya.			
<i>Sp.</i> Helk's Wood, Ingleton, Yorks. . .	May 18, '93	H. J. Wilkinson	Wilkinson
Askrigg, Wensleydale	1820	J. Dalton	Rev. J. Dalton
Coney Fir Wood, ? Hevingham or			
Hurngham, Norfolk	1849	H. P. Marsham	Hailstone
In a field on the left of the road from			
Luddenden to Luddendenfoot, Yorks.			
nearly opposite to the Old Hall . .	1805	S. Hailstone	,,
Wood beyond Jackdaw Crag, Thorp-			
arch, Yorks.	1839	"	"
Addle Bridge, Yorks.	1838	H. Baines	Walker
Hildenley Wood, near Malton, Yorks.	1820	W. Middleton	Middleton
44 <i>Delphinium Ajacis</i>, Reich.			
Larkspur.— <i>Cornfields (alien).</i>			
<i>Distrib.</i> Central and S. Europe; N. Africa; introduced into America.			
<i>Sp.</i> Marked and recorded as <i>Delphinium consolida</i> .			
Snailwell, near Newmarket, Cambs. . .	Aug., 1830	J. Dalton	Rev. J. Dalton
Near Ripon	1800	Brunton	,,
From Bingley (? Rev. W. Bingley) . .	1800		
From Bury	1790	Dr. Goodenough	,,
From Bottisham, Cambs.	1790	Rev. R. Relham	,,
Limestone Quarries near Sunderland	1810	Backhouse	Hailstone
Stetsworth, Cambs.	1839	S. Hailstone	,,
In the fields behind the Church at			
Bottisham, Cambs.	1843	"	"
Specimen from H. Baines, no locality			
		Baines	Walker
45. <i>Aconitum Napellus</i>, L.			
Monkshood.— <i>Shady banks of streams.</i>			
Wales, Somersetshire, &c.			
<i>Distrib.</i> Europe; N. and W. Asia to the Himalaya.			
<i>Sp.</i> From Rev. W. Gray, Ex hort. . .	(1835)		Walker
Near Wivelscombe, Somersetshire . .	1830	Dr. Bromfield	Hailstone

46. *Actæa spicata*, L.

Baneberry.—*Copses on limestone.*

Yorkshire and Westmoreland.

Distrib. Temp. and Arctic Europe; Asia,
and N. America.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Hildenley Wood, near Malton, Yorks.	1820	W. Middleton	Middleton
Near Askrigg, Wensleydale	„	J. Dalton	Rev. J. Dalton
Wensleydale	1840	J. Dalton, jr.	Rev. J. Dalton, jr.
Beckdale, Helmsley, Yorks. . . .	June, 1891	H. J. Wilkinson	Wilkinson
Chapel-le-dale, Ingleton, Yorks. . .	1843	O. A. Moore	Moore
Thorparch Woods, Yorks.	1839	S. Hailstone	Hailstone
In the Wood on the right of Deepdale, Thorparch	„	S. Hailstone	„
In the Wood on the right of the lane going by the New Church to the river, about two-thirds of the way down	„	„	„
Among the horizontal rocks about Gordale, Yorks.	1832	„	„
Arthur's Gill, Wensleydale	1810	J. Backhouse	„
Malham Cove, near Settle, Yorks. . .	1840	J. Tatham	„
Kitcscrow Wood, near Malton, Yorks. .	June, 1843	H. Ibbotson	Wilkinson
On the hill side at Malham Cove, also on the side of Ingleborough	1832	J. Tatham, junr.	Walker

47. *Pæonia corallina*, Retz.

Wild Peony.—*Steep Holme Island,*
introduced.

Steep Holme Island in the River Severn	May, 1824	Dr. Bromfield	Hailstone
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BERBERIDEÆ.

	DATE.	COLLECTOR.	HERBARIUM.
48. Berberis vulgaris, L.			
Barberry.— <i>Hedges and Thickets.</i>			
Caithness southward.			
<i>Distrib.</i> N. Temp. Regions; Sub. Trop.;			
Asia; Temp. S. America.			
<i>Sp.</i> Copgrove, Yorks.	1790	Rev. J. Dalton	Rev. J. Dalton
In the hedges about Hob Moor and			
Acomb, York	1806	S. Hailstone	Hailstone
In the hedges near Fairburn, Yorks. . .	"	"	"
In the hedges about Altham, Lancashire	"	"	"
Hedges about Forcett, N.R. Yorks. . .	1821	"	"
Thornton Bridge, near Brafferton,			
Yorks.	{ July 18, }	"	"
	1823 }		
Near the Turnpike Bar on the			
Tadcaster Road, Boston, Yorks.;			
and in the lane leading from the			
Turnpike to Clifford	May, 1832	"	"
49. Epimedium alpinum, L.			
Barrenwort.— <i>Subalpine woods.</i>			
Londesbro' Yorks.	1838	H. Baines	Walker
"Notwithstanding Dr. Smith has			
admitted this into E.B., I do not			
believe it to be a native. Dr. Richard-			
son, it is said, was imposed upon by his			
gardener. It is certainly not now			
to be found (1830) in Bingley			
Woods." S. Hailstone	..	Ex hort.	Hailstone

NYMPHÆACEÆ.

	DATE.	COLLECTOR.	HERBARIUM.
50. Nuphar luteum, Sm.			
Yellow Waterlily.— <i>Still waters.</i>			
From Aberdeen southward.			
<i>Distrib.</i> Europe; Temp. Asia; N. America.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Croft, Yorks.	1820	"	"
Pond at Copgrove, near Borough- bridge, Yorks.	{ June 30, } 1834	Rev. W. Gray	Walker
In the Foss beyond Monk Bar, York	1806	S. Hailstone	Hailstone
Bottisham Fen, Cambs.	1843	"	"
50a. Nuphar luteum, var. intermedium Ledeb.			
<i>Distrib.</i> Northumberland and E. Perth.			
<i>Sp.</i> Wallington Moors, Northumberland	(1830)	(Sir) W. G. Trevelyan	Rev. J. Dalton
51. Nuphar pumilum, Sm.			
Highland Waterlily.— <i>Highland Lakes, &c.</i>			
Scotland, from Argyle to Elgin.			
<i>Sp.</i> Lock Balladon	Sep., 1839	Brand	Hailstone
52. Nymphæa alba, L.			
White Waterlily.— <i>Lakes and slow rivers.</i>			
From Shetland southward.			
<i>Distrib.</i>			
<i>Sp.</i> Near Ormskirk, in Marl Pits . .	1810	S. Hailstone	Hailstone
In the Foss, Huntington, York . .	1806	"	"
Ditches, Bottisham Fen, Cambs. . .	1843	"	"
A pond at Copgrove, Yorks. . . .	June 30, '34	Rev. W. Gray	Walker
In the Derwent, near Malton, Yorks.	1837	H. Baines	"
Copgrove, Yorks.	1790	Rev. J. Dalton	Rev. J. Dalton
Arundel, Sussex	1820	"	"

PAPAVERACEÆ.

	DATE.	COLLECTOR.	HERBARIUM.
53. Papaver somniferum, L.			
Opium Poppy. — <i>Waste Places.</i>			
<i>Distrib.</i> Europe; W. Africa; Asia.			
<i>Sp.</i> Sand dunes, Mablethorpe, Lincolnshire, apparently very rare. . .	Aug., 1887	H. Fisher	Wilkinson
Near the River Esk, Angushire . .	(1809)	J. Dalton	Rev. J. Dalton
In the lane just before you rise the hill to Kiddall Hall, Yorks. . .	1810	S. Hailstone	Hailstone
Behind the Castle, Scarbro', Yorks. . .	1813	"	"
Plentifully in a field as you go on the shore from Bridlington Quay, Yorks. . .	"	"	"
Near Wilsthorpe	1820	"	"
54. Papaver Rhœas, L.			
Common Red Poppy.— <i>Cornfields, &c.</i>			
<i>Distrib.</i> Europe; N. Africa; W. Asia to India.			
<i>Sp.</i> Brafferton, Yorks.	July, 1829	Rev W. Gray	Walker
Croft, Yorks.	(1806)	J. Dalton	Rev. J. Dalton
54a. Papaver Rhœas, L. var. strigosum, Boenn.			
Red Poppy.— <i>Arable fields.</i>			
55. Papaver dubium, L.			
Long-headed Poppy.— <i>Sides of fields.</i>			
<i>Distrib.</i> Europe; N. Asia; N.W. India.			
Heslington Fields, York	1837	H. Baines	Walker
In the fields towards Bolton, Bradford	1840	S. Hailstone	Hailstone
Cliff fields, near Bradford, Yorks.	1804	"	"

	DATE.	COLLECTOR.	HERBARIUM.
55b. Papaver dubium, L.			
var. Lecoquii, Lamotte.			
Long-headed Poppy.— <i>Fields on calcareous soil.</i>			
Castle Howard, Yorks.	1837	H. Baines	Walker
56. Papaver Argemone, L.			
Pale-red Poppy.— <i>Cornfields.</i>			
From Ross southward.			
<i>Distrib.</i> Europe ; N. Africa ; W. Asia.			
<i>Sp.</i> Heslington Fields, York ; Castle Howard, Yorks.	1837	H. Baines	Walker
Plentifully in the fields between Howden and Booth Ferry, Yorks. . .	May 28, '22	S. Hailstone	Hailstone
Mr. King's cornfield behind the Church at Bottisham	1845	"	"
Copgrove, Yorks.	1790	Rev. J. Dalton	Rev. J. Dalton
Brighton	(1809)	W. Middleton	Middleton
Croft, Yorks.	(1820)	J. Dalton	Rev. J. Dalton
Little Island, Co. Cork	July, 1892	R. A. Phillips	Wilkinson
57. Papaver hybridum, L.			
Rough-headed Poppy.— <i>Sandy fields.</i>			
From Durham and Carnarvon southward.			
<i>Distrib.</i> Europe ; N. Africa ; W. Asia.			
Fields near Malton and Thirsk . .	1837	H. Baines	Walker
Swaffham, Cambridgeshire . . .	June, 1829	J. Dalton	Rev. J. Dalton
Brighton, Sussex	(1809)	W. Middleton	Middleton
Swaffham Prior, Cambridgeshire . .	June, 1820	Prof. Henslow	Rev. J. Dalton
Chesterton, Cambridgeshire . . .	1820	"	"
Great Orme's Head	July, 1839	R. T. Butler ?	Hailstone
58. Meconopsis cambrica, Vig.			
Yellow Welsh Poppy.— <i>Moist Glens.</i>			
Cornwall to Yorkshire.			
<i>Distrib.</i> W. Europe ;			
<i>Sp.</i> Carnarvonshire	(1800)	D. Turner	Rev. J. Dalton
Wensleydale	(1820)	Middleton	Middleton
Various places about Settle, Yorks. . .	(1838)	J. Tatham, junr.	Walker

	DATE.	COLLECTOR.	HERBARIUM.
Cheddar Pass, N. Somerset	July 7, 1884	H. Fisher	Wilkinson
Cwm Idwall, Wales; Mossdale Head, Wensleydale	1812 }	S. Hailstone	Hailstone
Near Bowness, Westmoreland ..	1829 }		
Hatfield Woods, Thorparch, Yorks.			
No doubt planted there	1848	"	"

59. *Glaucium luteum*, Scop.

Yellow Horned Poppy.—*Sandy sea shores.*

From the Forth southward.

Distrib. Europe; N. Africa; W. Asia.

<i>Sp.</i> Blackpool, Lancashire	1801	S. Hailstone	Hailstone
Carnarvon	1808	"	"
From the Coast of Kent	(1807)	W. Middleton	Middleton
Specimen (no locality)			Rev. J. Dalton
Eastferry, Cork Harbour	June, 1891	R. A. Phillips	Wilkinson
Pebbly beach about 5 miles south of Lowestoft, Suffolk, on the Ness which is between Lowestoft and Southwold, about midway	11 Aug., '87	H. Fisher	"

60. *Glaucium phoeniceum*, Crantz.

Scarlet Horned Poppy.—*Norfolk.*

Specimens without locality

Rev. J. Dalton
S. Hailstone

61. *Rœmeria hybrida*, DC.

GLAUCIUM VIOLACEUM, Sm.

Violet Horned Poppy.—*Camb. & Norfolk.*

Distrib. Central and S. Europe.

<i>Sp.</i> Rech, Cambs.	{ May, June, 1820 }	Prof. Henslow	Rev. J. Dalton
"Specimen from my brother," no locality			
Swaffham Priory, Cambs.	1820	"	Hailstone Rev. J. Dalton

	DATE.	COLLECTOR.	HERBARIUM.
62. <i>Chelidonium majus</i>, L. Celandine.— <i>Waste places.</i> From Inverness southward. <i>Distrib.</i> Europe (Arctic). W. Asia to Persia. <i>Sp.</i> Cottingley Bridge; Bolton Abbey, Yorks. 1799 S. Hailstone Hailstone In a lane leading by the side of the New Church at Boston Spa, Yorks., to the fields by the river side . . May 12, '32 " " Coppgrove, Yorks. 1790 J. Dalton Rev. J. Dalton Near Thornton Beck, going to Cundall from Brafferton, Yorks. . . . Aug. 1829 Rev. W. Gray Walker Roadside between Acomb and Poppleton, York 1892 H. J. Wilkinson Wilkinson			
62b. <i>Chelidonium majus</i>, L. var. <i>laciniatum</i>, DC. Celandine.— <i>Waste places</i>			

FUMARIACEÆ.

63. <i>Corydalis solida</i>, Hook. <i>Corydalis bulbosa</i>, DC. Purple Fumitory.— <i>Woods and Banks.</i> Naturalised in England. Percy Hall, near Birmingham, Warwickshire (1815) J. Dalton Rev. J. Dalton Hampshire (1820) " "			
64. <i>Corydalis lutea</i>, DC. Yellow Fumitory.— <i>Old Walls.</i> An escape from Cultivation (Hooker). Fountain's Hall, Ripon 1800 W. Brunton Hailstone Fountain's Hall, Ripon June, 1807 Rev. J. Dalton Rev. J. Dalton Newark, Notts... 1820 W. Middleton Middleton Londesborough, Yorkshire 1837 H. Baines Walker.			
65. <i>Corydalis claviculata</i>, DC. White Climbing Fumitory.— <i>Banks & copses.</i> From Ross southward. Langwith Lane, near York Sept. 1, 1892 H. J. Wilkinson Wilkinson Bulmer Hagg, near Castle Howard, Yorks. 1837 R. Spruce Walker Coppgrove, Yorks. 1790 J. Dalton Rev. J. Dalton			

	DATE.	COLLECTOR.	HERBARIUM.
66. <i>Fumaria pallidiflora</i>, Jord.			
Pale Common Fumitory.— <i>Borders of fields.</i> From Roxburgh southward.			
<i>Distrib.</i> Europe; N. Africa; W. Asia.			
Aberystwith	(1809)	W. Middleton	Middleton
Clifton, York; Whitby. Yorks. . . .	(1837)	H. Baines	Walker
66b. <i>Fumaria pallidiflora</i>, Jord. var. <i>Boræi</i>, Jord.			
Common Fumitory.— <i>Borders of fields.</i>			
67. <i>Fumaria confusa</i>, Jord.			
Common Fumitory.— <i>Borders of fields.</i>			
68. <i>Fumaria muralis</i>, Sonder.			
Common Fumitory.— <i>Borders of fields.</i> About Skelton & Coatham, N.E. Yorks.			
(sub. nom. <i>F. capreolata</i> .)	1799	S. Hailstone	Hailstone
69. <i>Fumaria densiflora</i>, DC.			
F. MICRANTHA, LAG.			
Close-Flowered Fumitory.— <i>Fields.</i>			
Forfar	(1835)	H. Baines	Hailstone
70. <i>Fumaria officinalis</i>, L.			
Common Fumitory.— <i>Waste places.</i>			
<i>Distrib.</i> Europe; N. Africa; W. Asia.			
Brafferton, near Boroughbridge, Yorks.	Sept., 1829	Rev. W. Gray	Walker
Heslington fields, York	1835	H. Baines	,,
71. <i>Fumaria Vaillantii</i>, Lois.			
Vaillant's Fumitory.— <i>Fields.</i>			
Yorkshire and S.E. England.			
Littleburg, Essex	{ 1844 1850 }	G. S. Gibson	Hailstone
72. <i>Fumaria parviflora</i>, Lam.			
Small-flowered Fumitory — <i>Fields.</i> From Perth southward.			
Wasteground, nr. Inverleith, Edinburgh	June, 1835	G. Munby	Munby
Near Newmarket, Cambs.	1820	Rev. J. Dalton	Rev. J. Dalton
Near Ramsgate, Kent	(1820)	W. Middleton	Middleton

CRUCIFERÆ.

	DATE.	COLLECTOR.	HERBARIUM.
73. Matthiola sinuata, R.Br.			
Sea Stock. (South and West coasts.)			
<i>Distrib.</i> W. Europe and N. Africa.			
<i>Sp.</i> Norfolk (<i>alien</i>)	(1810)	D. Turner	Hailstone
St. Aubin's Bay (Jersey)	1836	S. Hailstone, jun.	Hailstone
Swansea (Glamorganshire)	(1800)	D. Turner	Rev. Jas. Dalton
Swansea „	1820	J. Dalton	Rev. Jas. Dalton
Swansea „	1826	W. Middleton	Middleton
74. Matthiola incana, R.Br.			
Hoary Stock (Isle of Wight, Hastings, &c.)			
<i>Distrib.</i> W. Europe, Canaries.			
<i>Sp.</i> Channel Islands	1841	Dickson	Hailstone
Sp. from Dr. Hooker, no locality..	(1820)		Rev. Jas. Dalton
Campton Cliffs, Freshwater,			
Isle of Wight	1891	J. H. A. Steuart	Wilkinson
75. Cheiranthus Cheiri, Linn.			
Wallflower. <i>Old abbey walls and on limestone crags.</i>			
<i>Distrib.</i> Central and N. Europe.			
<i>Sp.</i> Walls in and about Pontefract,			
Yorks, Mortham Tower, Rokeby,			
Yorks.	(1830)	S. Hailstone	Hailstone
Walls of the Castle (Loch Leven)	1824	J. Dalton	Rev. Jas. Dalton
Walls of Morton Hall, Rokeby,			
Yorks.	(1820)	J. Dalton	Rev. Jas. Dalton
Newark Castle, Notts.	1820	W. Middleton	Middleton

**76. Nasturtium officinale,
R.Br.**

Watercress. *Running water.*

Shetland to Channel Islands.

Distrib. Europe, W. Asia, N. Africa.

Sp. In a ditch at the foot of Lister

Hills, towards Silsbridge .. 1804

By the tanhouse, Horton, Yorks. .. 1806

Ditches about Swaffham and Botti-
sham, Cambs. .. 1843

Ditch, Clifton Ings, Yorks. .. 1883

COLLECTOR.

HERBARIUM.

S. Hailstone

Hailstone

"

"

"

"

H. J. Wilkinson

Wilkinson

**77. Nasturtium sylvestre,
R.Br.**

Creeping Yellow Cress.

Moist places, from the Tay southwards.

Distrib. Europe, N. Africa, Asia.

Sp. Riverside below Ferrybridge, Yorks. 1806

Banks of the Ure and about Cop-
grove; Yorks. 1790

S. Hailstone

Hailstone

J. Dalton

Rev. Jas. Dalton

**78. Nasturtium palustre,
D.C.**

Yellow Cress. *Wet places*, from Clyde
southwards.

Distrib. Europe (Arctic), N. Africa.

Sp. Nr. Yeddingham Bridge, E., Yorks

Bath, Somersetshire 1820

Copgrove, Yorkshire 1790

W. Middleton

Middleton

J. Dalton

Rev. Jas. Dalton

**79. Nasturtium amphibium
R.Br.**

Great Yellow Cress. *Wet places*,
Yorkshire to Kent.

Distrib. Europe, N. Africa.

<i>Nasturtium amphibium</i> R.Br.	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> By the side of the River Wharfe at Poole, Yorkshire	1802	S. Hailstone	Hailstone
By the riverside, Thorparch, York- shire	1848	"	"
Copgrove, nr. Borobridge	1790	J. Dalton	Rev. Jas. Dalton
Clifton Ings, Yorkshire	1883	H. J. Wilkinson	Wilkinson
80. <i>Barbarea vulgaris</i>, R.Br.			
Winter Cress. <i>Hedge-banks and stream- sides</i> , from Aberdeen southwards.			
<i>Distrib.</i> Arctic Europe, Temp. Asia, N. America.			
<i>Sp.</i> Thorparch, Yorkshire	1840	S. Hailstone	Hailstone
Copgrove, nr. Borobridge, Yorks. ..	1790	J. Dalton	Rev. Jas. Dalton
Yorks.	1820	W. Middleton	Middleton
81. <i>Barbarea stricta</i>, Andrz.			
Winter Cress. <i>Stream-sides</i> . Yorkshire and S.E. Counties.			
<i>Sp.</i> Clifton Ings, Yorks... ..	1842	O. A. Moore	Moore
82. <i>Barbarea præcox</i>, R.Br.			
American Cress. <i>Roadsides, &c.</i> (alien).			
<i>Distrib.</i> Throughout Europe.			
<i>Sp.</i> From Mr. Hustler, who brought it from near Settle, Yorks. ..	(1836)		Hailstone
St. Vincent's Rocks, Bristol ..	1883	H. Fisher	Wilkinson
83. <i>Arabis petrœa</i>, Lam.			
Alpine Rock Cress. <i>Alpine rocks</i> , Wales and Scotland.			
<i>Distrib.</i> N. Europe, N. Asia, and N. America.			
<i>Sp.</i> From Clogwyn dû r Arddu.. ..	(1798)	Rev. W. Bingley	Rev. Jas. Dalton

	DATE.	COLLECTOR.	HERBARIUM.
84. <i>Arabis stricta</i>, Huds.			
Bristol Rock Cress. <i>Rocks</i> , N. Somerset and W. Gloucester.			
<i>Distrib.</i> Europe, from Spain to Hungary.			
St. Vincent's rocks, Bristol ..	1833	John Howson	Hailstone
" " " ..	1800	Rev. Archdeacon Pierson	Rev. Jas. Dalton
" " " ..	(1826)	Dr. Hooker	"
" " " ..	1830	J. Dalton	"
" " " ..	1820	W. Middleton	Middleton
" " " ..	1882	H. Fisher	Wilkinson
85. <i>Arabis ciliata</i>, R.Br.			
Rock Cress. Connemara, W. Ireland, and South Wales.			
<i>Sp.</i> Seashore near Roundstone, Galway ..	1838	Dr. Balfour	Hailstone
86. <i>Arabis hirsuta</i>, Scop.			
Common Rock Cress. <i>Walls and banks</i> from Aberdeen southward.			
<i>Distrib.</i> Europe, Temp. Asia, and North America.			
<i>Sp.</i>			
Near Eastbourne, Sussex	1834	S. Hailstone, jun.	Hailstone
Arthur's Seat, Edinboro', ..	1807	S. Hailstone	Hailstone
Malham and Gordale ..			
Hedgebanks Craven, Skipton			
Castle, Yorkshire ..			
Whalley Abbey, Lancashire ..		S. Hailstone	Hailstone
Rocks near the Spa, Thorparch, Yorks.	1840	"	"
Arthur's Seat, Edinboro'	1830	G. Munby	Munby
Walls at Vosterberg, Co. Cork ..	1892	R. A Phillips	Wilkinson
Beverley, Yorkshire	1790	R. Teesdale	Rev. Jas. Dalton
Burton Mills, Derbyshire	(1830)	Prof. Henslow	"
Near Ripon, Yorkshire	1800	J. Dalton	"
Croft " "	1820	"	"
Near the Mill, Heslington, Yorks. ..	1883	H. J. Wilkinson	Wilkinson
Hovingham, Yorkshire	1890	"	"

	DATE.	COLLECTOR.	HERBARIUM.
87. Arabis Turrita, Linn.			
Tower Cress. <i>Naturalized on walls.</i>			
<i>Distrib.</i> Central and S. Europe.			
<i>Sp.</i> Walls of Trinity College, Cambs. . .	1820	S. Hailstone	Hailstone
" " " . . .	1830	Prof. Henslow	Rev. Jas. Dalton
Walls of S. John's College, ,, . .	1787	J. Dalton	Rev. Jas. Dalton
Walls of Trinity College, Cambridge, near the door leading into the cloisters from the walks	May 18, 1803	J. Dalton	Rev. Jas. Dalton
88. Arabis perfoliata, Lam			
Tower Mustard. <i>Dry banks and rocky places (local).</i>			
<i>Distrib.</i> Europe (Arctic), Temp. Asia, and North America.			
<i>Sp.</i> Fields near Ripon	1800	W. Brunton	Hailstone
Near the Spa, Thorparch, Yorks. . .	1843	S. Hailstone	Hailstone
Copgrove, nr. Borobridge ,, . .	1790	J. Dalton	Rev. Jas. Dalton
On the right of the road from Green- hammerton to Borobridge, Yorks.	1820	W. Middleton	Middleton
Near Richmond, Yorks.	1830	J. Warde	Rev. Jas. Dalton
89. Cardamine amara, Linn.			
Common Bitter Cress. <i>Moist meadows by Streams, from Aberdeen southward.</i>			
<i>Distrib.</i> N. Europe and N. Asia.			
<i>Sp.</i> Trench Wood; Nr. Hebden Bridge, Yorkshire; by the side of the fish ponds at Bierley, Yorkshire . .	1814	S. Hailstone	Hailstone
Near the Spa, Thorparch, and plen- tifully by the brook which runs by the Mill into the river, and marshy ground adjoining . .	1832 1848	"	"
Ditch, Clifton Ings, Yorks . .	1883	H. J. Wilkinson	Wilkinson
Copgrove, nr. Borobridge, Yorks. . .	1790	J. Dalton	Rev. Jas. Dalton

	DATE.	COLLECTOR.	HERBARIUM.
90. Cardamine pratensis, Lam.			
Cuckoo-Flower. <i>Moist meadows</i> from Shetland southward.			
<i>Distrib.</i> N. Temp. and Arctic regions.			
<i>Sp.</i> Thorparch, Yorkshire	1840	S. Hailstone	Hailstone
Copgrove, nr. Borobridge, Yorks. . .	1790	J. Dalton	Rev. Jas. Dalton
91. Cardamine hirsuta, Linn.			
Hairy Bitter Cress. <i>Damp places</i> , Shetland southward.			
<i>Distrib.</i> N. Temp. and Arctic regions.			
<i>Sp.</i> Horton, Bradford, Yorkshire ..	1830	S. Hailstone	Hailstone
Ripon	1820	J. Dalton	Rev. Jas. Dalton
York	1820	W. Middleton	W. Middleton
Croft, Yorks.	1830	J. Dalton	Rev. Jas. Dalton
92. Cardamine flexuosa, With.			
Sylvan Bitter Cress. <i>Moist copses</i> .			
<i>Distrib.</i> N. and Temp. regions.			
<i>Sp.</i> Oxton Bogs, Notts.	1892	H. J. Wilkinson	Wilkinson
93. Cardamine impatiens, Linn.			
Mountain Bitter Cress.			
<i>By mountain streams and shady copses</i> , Westmoreland southward.			
<i>Distrib.</i> Europe, Temp. Asia.			
<i>Sp.</i> Settle, Yorkshire	1798	R. Teesdale	Rev. Jas. Dalton
Near Settle, Yorkshire	1840	Mr. Hustler	Hailstone
Near Bath, Somersetshire	1824	W. Middleton	Middleton
Glen, Frome, ...	1884	H. Fisher	Wilkinson

	DATE.	COLLECTOR.	HERBARIUM.
98. <i>Draba incana</i>, Linn.			
(Twisted-pod) Whitlow grass.			
<i>Alpine rocks</i> , Scotland, N. England, Wales, and W. Ireland.			
<i>Distrib.</i> Alpine and Arctic Europe.			
<i>Sp.</i> Cronkley Fell, Yorkshire	1826	S. Hailstone	Hailstone
Malham and Settle, Yorkshire	1840	Mr. Hustler	"
About Settle, Yorkshire	1840	J. Tatham	"
Teesdale and Settle, Yorkshire	1840	H. Baines	Walker
Malham Cove, Yorkshire	1800-20	J. Dalton	Rev. Jas. Dalton
Cronkley Fell, Yorkshire	1883	H. J. Wilkinson	Wilkinson
99. <i>Draba rupestris</i>, R.Br.			
Highland Whitlow grass.			
<i>Alpine rocks</i> , Scotland.			
<i>Distrib.</i> Arctic regions.			
<i>Sp.</i> Ben Lawers, Perthshire	1826	S. Hailstone	Hailstone
" " " "	1820	J. Dalton	Rev. Jas. Dalton
" " " "	1820	W. Middleton	Middleton
" " " "	1883	A. E. Lomax	Wilkinson
100. <i>Draba aizoides</i>, Linn.			
Yellow Whitlow grass.			
<i>Rocks and walls</i> , Pennard Castle, Swansea.			
<i>Distrib.</i> Central and S. Europe.			
<i>Sp.</i> Pennard Castle, nr. Swansea .	(1810)	Mr. Sowerby	Hailstone
" " " " " "	(1810)	D. Turner	Rev. Jas. Dalton
101. <i>Erophila vulgaris</i>, D.C.			
Whitlow grass. <i>Walls, paths, &c.</i> , from Orkney to Channel Islands.			
<i>Distrib.</i> Temp. Europe, Asia, &c.			
<i>Sp.</i> Thorparch, Yorkshire	1843	S. Hailstone	Hailstone
Copgrove, nr. Borobridge, Yorks. ..	1790	J. Dalton	Rev. Jas. Dalton
York	1824	W. Middleton	Middleton
York	1838	H. Baines	Walker
102. <i>Erophila inflata</i>, Hook.			
<i>Sp.</i> From Ben Lawers, Perthshire. ..	1830	Dr. Hooker	Rev. Jas. Dalton

**103. Cochlearia officinalis,
Linn.**

Common Scurvy grass. *Muddy sea shores*,
from Shetland to Channel Islands.

Distrib. N. W. Europe, Polar regions.

<i>Sp.</i> (Wall ?) at Mansfield, Notts. . .	1820	. Middleton	Middleton
Scarborough Castle, Yorkshire . .	1820	"	"

**104. Cochlearia alpina,
H. C. Watson.**

Alpine Scurvy grass.

<i>Sp.</i> Teesdale, &c.	1838	H. Baines	Walker
Hackfall, Ripon	1830	J. Dalton	Rev. Jas. Dalton
Cronkley Fell, Yorkshire	1883	H. J. Wilkinson	Wilkinson
Ben-y-Gloe, Perthshire	1820	W. Middleton	Middleton

**105. Cochlearia danica,
Linn.**

Scurvy grass. *Sandy and muddy shores*,
from Aberdeen southward.

<i>Sp.</i> Walney Island	1840	Mr. Hustler	Hailstone
Walls of Peel Castle, Isle of Man . .	June 24, '41	S. Hailstone	"
South Denes, Yarmouth	1843	"	"
Northam Burrows, nr. Bideford . .	1850	G. Mann	"
Roches Point, Cork Harbour . . .	1894	R. A. Phillips	Wilkinson
Nr. Ilfracombe, Devonshire . . .	1883	H. Fisher	"
Aberystwith (Cardiganshire) . . .	1820	W. Middleton	Middleton

**106. Cochlearia anglica,
Linn.**

Scurvy grass. *Muddy sea shores*, from
W. Scotland to Channel Islands.

<i>Sp.</i> From the banks of the River Tawe, near Swansea	May, 1803	Sowerby	Hailstone
Rochestown, County Cork	1894	R. A. Phillips	Wilkinson
Sittingbourne, Kent	(1824)	W. Middleton	Middleton

	DATE.	COLLECTOR.	HERBARIUM.
107. Cochlearia Armoracia, Linn.			
Horse Radish. (<i>Field corners, &c., alien.</i>)			
<i>Sp.</i> By the side of the canal in the Springs, Skipton, Yorkshire ..	1810	S. Hailstone	Hailstone
By the side of the road just going out of Skipton to Guisbro', Yorks.	1811	"	"
Tivoli, County Cork	1892	R. A. Phillips	Wilkinson
Battersea fields, Surrey	1820	W. Middleton	Middleton
108. Hesperis matronalis, Linn.			
Dame's Rocket (<i>alien</i>).			
<i>Sp.</i> By the brookside near the Bridge } below Kiddall Hall }	1808	S. Hailstone	{ Catalogue Hailstone
In the hedge between Skipton and } Gargrave, Yorkshire }			"
In the hedge going into Oglethorpe } Ings, Boston, Yorkshire }			"
109 Sisymbrium Thalianum. J. Gay.			
Thale Cress. <i>Dry banks</i> , from Orkney southward.			
<i>Distrib.</i> Europe (Arctic), N. Africa.			
<i>Sp.</i> Hedge bank near Ripon	1800	Mr. Brunton	Hailstone
Ulverston, Lancashire	1830	Mr. Hustler	"
Sandy lane, near Nether Poppleton, York	1883	H. J. Wilkinson	Wilkinson
Tivoli, County Cork	1891	R. A. Phillips	"
Copgrove, nr. Boro'bridge, Yorkshire	1790	J. Dalton	Rev. Jas. Dalton
110. Sisymbrium officinale, Scop.			
Hedge Mustard. <i>Hedge banks, &c.</i> , from Orkney southward, Europe, W. Asia.			
<i>Sp.</i> Copgrove, Yorkshire	1790	J. Dalton	Rev. Jas. Dalton
Thorparch, Yorkshire	1840	S. Hailstone	Hailstone

111. *Sisymbrium polyceratum*, Linn.

Bury Hedge Mustard.

Bury St. Edmunds: "Introduced by Dr. Goodenough"—Sir J. D. Hooker.

<i>Sp.</i> Naturalized in the streets of Bury St. Edmunds	1840	Dr. Bromfield	Hailstone
Schoolhouse lane, Bury St. Edmunds	1843	S. Hailstone	"
Bury St. Edmunds	1820	"	Rev. Jas. Dalton

112. *Sisymbrium Sophia*, Linn

Flixweed. *Waste places*, from Caithness southward.

<i>Sp.</i> From Coatham, Bridlington ..	1799	S. Hailstone	Hailstone
Redcar, Yorkshire ..	1826	J. Dalton	Rev. Jas. Dalton

113. *Sisymbrium Irio*, Linn.

London Rocket: *Walls of ancient towns*, from Berwick to Channel Islands.

Distrib. Central and S. Europe, W. Asia.

<i>Sp.</i> Walls of Berwick-upon-Tweed ..	1800	Mr. Brunton	Hailstone
Ramparts of Berwick-upon-Tweed ..	1830	J. Dalton	Rev. Jas. Dalton
Do do ..	(1830)	Prof. Henslow	"

114. *Sisymbrium Alliaria*, Scop.

Sauce alone. *Hedge banks*, from Ross southward.

Distrib. Europe and N. Africa ; W. Asia.

<i>Sp.</i> York	1820	W. Middleton	Middleton
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115. *Erysimum cheiranthoides*, Linn.

Wormseed. *Waste places in the Fens, &c.*

Distrib. Europe (Arctic).

<i>Sp.</i> Bottisham Fen, Cambs. ..	1843	S. Hailstone	Hailstone
Common in every ploughed field in Bottisham (Cambs) ..	1845	"	"
Snailwell, Cambs. ..	1830	J. Dalton	Rev. Jas. Dalton
Banks of the Avon, nr. Bath ..	1820	W. Middleton	Middleton

	DATE.	COLLECTOR.	HERBARIUM.
116. Erysimum perfoliatum Crantz.			
Specimens (no localities)	(1826)	?	Rev. Jas. Dalton
117. Camelinasativa, Crantz			
Gold of Pleasure. <i>Flaxfields (Sporadic).</i>			
<i>Distrib.</i> Europe and Temp. Asia.			
<i>Sp.</i> In a field at Nocton (Lincolnshire)	1814	Miss Stovins	Hailstone
Camelina Ev-sativa, Syme.			
<i>Sp.</i> Near Pontefract (Yorkshire)	1838	H. Baines	Walker
Forfar in Angusshire	(1800)	Donn	Rev. Jas. Dalton
118. Subularia aquatica, Linn.			
Water Awlwort. <i>Alpine lakes, N. Wales, Scotland, &c.</i>			
<i>Distrib.</i> Arctic, N. Europe, N. Asia.			
<i>Sp.</i> Loch Lubnaig, Perthshire	1843	Mr. Brand	Hailstone
Loch of Butterstone, Delvine, Perthshire	1820	Miss Watson	Middleton
Lake near Llanberis, N. Wales	1879	J. E. Griffith	Wilkinson
119. Brassica oleracea, Linn.			
Wild Cabbage. <i>Cliffs by the sea W. and S. E. coasts.</i>			
<i>Distrib.</i> West and South coasts of Europe.			
<i>Sp.</i> From Staithes, between Whitby and Redcar, Yorks.	1830	S. Hailstone	Hailstone
Cliffs near Sandgate, Kent (rare)	1847	Miss J. Hailstone	"
Cliffs upon Ormes Head, N. Wales (1830)		Prof. Henslow	Rev. Jas. Dalton
Walmer, Kent	1830	"	"
Cliffs, Dover ; Whitby, Yorks.	1820	W. Middleton	Middleton
Whitby, Yorkshire	1882	H. J. Wilkinson	Wilkinson
120. Brassica Napus, Linn.			
Rape. <i>Field borders.</i>	?	?	Rev. Jas. Dalton

	DATE.	COLLECTOR.	HERBARIUM.
121. Brassica Rapa, Linn.			
Turnip. <i>Waste places.</i>			
<i>Sp.</i> By the side of the Bradford brook below the town.	1800	S. Hailstone	Hailstone
Burgh Castle, Suffolk	1843	"	"
Croft, Yorkshire	1830	J. Dalton	Rev. Jas. Dalton
122. Brassica monensis, Huds.			
Isle of Man Cabbage. <i>Western Coasts.</i>			
<i>Distrib.</i> W. & S. Europe.			
<i>Sp.</i> Blackpool and Lytham, Lancashire. Castle Mona, Isle of Man	June 24th. 1841	} S. Hailstone Prof. Henslow ? J. Dalton	Hailstone
Lytham, Lancashire	1830		Rev. Jas. Dalton
Hebrides	1830		"
Lytham, Lancashire	1830		"
123. Brassica Sinapiodes, Roth.			
Black Mustard (<i>river banks and waste places</i>).			
<i>Sp.</i>	1830	J. Dalton	Rev. Jas. Dalton
124. Brassica Sinapistrum, Boiss.			
Charlock. <i>Cornfields.</i>			
<i>Distrib.</i> Europe; N. Africa.			
<i>Sp.</i> Thorparch, Yorkshire	1840	S. Hailstone	Hailstone
125. Brassica alba, Boiss.			
White mustard. <i>Cultivated ground.</i>			
<i>Distrib.</i> N. Africa; Europe.			
Croft, Yorkshire	1830	J. Dalton	Rev. Jas. Dalton

126. *Diplotaxis tenuifolia*, DC.

Narrow leaved wall mustard.

Waste places from Northumberland southward.

Distrib. Europe ; N. Africa.

<i>Sp.</i> Walls of Chester and Southampton..	} June and July, 1840	S. Hailstone, jun.	Hailstone
Walls of Tynemouth Priory & Castle			
Ballast hills, Jarrow (Durham) ..			
Yarmouth churchyard	1843	"	"
Near London ; walls of Pontefract..	(1820)	J. Dalton	Rev. Jas. Dalton
Dunwich, Suffolk	1830	Prof. Henslow	"
Blackrock gully, near Bristol ..	1883	H. Fisher	Wilkinson

127. *Diplotaxis muralis*, DC.

Waste places from Roxburgh southward.

Distrib. W. Europe and Belgium southward.

<i>Sp.</i> South Denes, Yarmouth	1843-46	S. Hailstone	Hailstone
Cornfield, Margate, Kent	1820	W. Middleton	Middleton
Broadstairs, Kent	1830	Borrer	Rev. Jas. Dalton
Near Bristol	1883	H. Fisher	Wilkinson

128. *Diplotaxis muralis*, DC. var. *Babingtonii* Syme.

Sandy ground, South of England.

Black-rock gully, Bristol 1883 H. Fisher Wilkinson

129. *Bursa*, *Bursa-pastoris*, Weber.

Shepherd's Purse. *Dry ground*, from Orkney southwards.

Distrib. Temp. and Arctic Europe, N. Africa.

<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. Jas. Dalton
York	1820	W. Middleton	Middleton
Boston Spa, Yorks.	1840	S. Hailstone	Hailstone

	DATE.	COLLECTOR.	HERBARIUM.
130. <i>Coronopus didymus</i>, Sm.			
Wart Cress. <i>Waste ground</i> , near the sea from Fife southward.			
<i>Distrib.</i> S. America (a colonist elsewhere, Sir J. D. Hooker).			
<i>Sp.</i> Near Exeter and Swansea	1820	J. Dalton	Rev. Jas. Dalton
Devonshire	1830	Dr. Emerson.	Hailstone
Devonshire	1820	J. Dalton	Rev. Jas. Dalton
Crosshaven, Co. Cork	1892	R. A. Phillips	Wilkinson
131. <i>Coronopus Ruelii</i>, All.			
Swine's Cress. <i>Waste ground</i> , from Caithness southward.			
<i>Distrib.</i> Europe and N. Africa.			
<i>Sp.</i> Behind the County Hospital, out of Monk Bar, York	1840	S. Hailstone	Hailstone
Yarmouth Churchyard	1843	"	"
Bottisham, Cambs.	1845	"	"
Scarborough Old Pier	1820	W. Middleton	Middleton
132. <i>Lepidium latifolium</i>, Linn.			
Dittander. <i>Salt marshes</i> , N.E. England, Norfolk and Wales.			
<i>Distrib.</i> Mid. and S. Europe, W. Asia.			
<i>Sp.</i> Coatham, Seaton, &c., Yorks. ..	1830	S. Hailstone	Hailstone
Cork Beg Island, Cork Harbour ..	1893	R. A. Phillips	Wilkinson
Sandsend, Whitby, Yorks. ..	1838	H. Baines	Walker
Berrow Sandbank, Somersetshire ..	1883	H. Fisher	Wilkinson
133. <i>Lepidium ruderales</i>, Linn.			
Narrow-leaved Pepper Cress. <i>Waste places</i> , near the sea, Fife to Cornwall.			
<i>Distrib.</i> Europe and N.W. Asia.			
<i>Sp.</i> Scarborough, Yorks.	1840	J. Backhouse	Hailstone
Scarborough and Redcar	1838	H. Baines	Walker
Scarborough	1820	W. Middleton	Middleton
Bristol	1820	J. Dalton	Rev. Jas. Dalton

	DATE.	COLLECTOR.	HERBARIUM.
135. <i>Lepidium campestre</i>, R.Br.			
Pepperwort. <i>Dry fields and waysides.</i>			
<i>Distrib.</i> Europe, N. Africa.			
<i>Sp.</i> Acomb, York	1827	S. Hailstone	Hailstone
Cliffs near Bradford, on the road to Bolton, Yorkshire			
Tarlton Bridge	1831	"	"
136. <i>Lepidium hirtum</i>, Sm.			
<i>Sp.</i> Cornfields, Hastings	1834	S. Hailstone	Hailstone
Darlington	1840	J. Backhouse	"
Yarmouth and Brighton	1820	J. Dalton	Rev. Jas. Dalton
Ayresshire	1830	Prof. Henslow	"
Acomb, York	1827	S. Hailstone	Hailstone
137. <i>Lepidium Draba</i>, Linn.			
Whitlow Pepper Cress.			
<i>Fields, hedgebanks, &c. (alien).</i>			
<i>Distrib.</i> S. E. Europe, W. Asia.	September, 1841	W. Newbould	Hailstone
<i>Sp.</i> Guernsey			
138. <i>Thlaspi arvense</i>, Linn.			
Penny Cress. <i>Cultivated fields.</i>			
<i>Distrib.</i> Europe, N. Africa, N. & W. Asia.			
<i>Sp.</i> Leyburn, Wensleydale	(1830)	J. Ward	Hailstone
Near Croft, Yorkshire	1830	J. Dalton	Rev. Jas. Dalton
Cornfields, Knapton, nr. York	(1820)	W. Middleton	Middleton
Rudham, Norfolk	(1820)	J. Dalton	Rev. Jas. Dalton
Castle Howard, &c., Yorkshire	1838	H. Baines	Walker
139. <i>Thlaspi perfoliatum</i>, Linn.			
Perfoliate Penny Cress.			
<i>Limestone pastures</i> in Oxfordshire and Gloucestershire.			
<i>Distrib.</i> Mid. and S. Europe, N. Africa.			
<i>Sp.</i> Cirencester (Gloucestershire)	(1840)	Stark	Hailstone
(Burford) Oxfordshire	(1800)	Mr. Donn	Rev. Jas. Dalton

140. *Thlaspi alpestre*, var. *occitanum*, Jord.

Alpine Penny Cress. *Mountain pastures*
England, Wales, and Scotland.

Distrib. Europe; Himalaya.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Malham, near the Tarn, Yorkshire ..	1820	S. Hailstone	Hailstone
On the left as you enter the pasture going to the Cove (Malham) ..	1832	"	"
Near Langdon Beck, Teesdale, Durham	1883	H. J. Wilkinson	Wilkinson
Near Carperby, Wensleydale ..	1892	A. Wilkinson	"
Ingleborough (Yorkshire)	1838	H. Baines	Walker

141. *Iberis amara*, Linn.

Candytuft. *Cornfields*, E. England.

Distrib. W. Europe.

<i>Sp.</i> In Mr. Hustler's farm at Stockton Common, near York	1830	Mr. Hustler	Hailstone
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**142. *Teesdalia nudicaulis*,
R.Br.**

Sandy places from Scotland southward.

Distrib. Europe, N. Africa, W. Asia.

<i>Sp.</i> From Norwich	1820	J. Backhouse	Hailstone
Pudsey Delves	1840	Stanhauser.	"
Langwith, near York	1820	W. Middleton	Middleton
Croft, Yorkshire	1820	J. Dalton	Rev. Jas. Dalton
Oxton, Notts.	1892	H. Fisher	Wilkinson
Langwith, near York	1890	H. J. Wilkinson	"
Bulmer, Yorkshire	1838	H. Baines	"
Lane near Hutton Moor, Ripon ..	(1805)	J. Dalton	Rev. Jas. Dalton
" " " ..	"	W. Brunton	Middleton

**143. *Hutchinsia petroea*
R.Br.**

Limestone rocks Dumfries to Somersetshire.

Distrib. Europe, N. Africa.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Settle, Yorkshire	1840	J. Tatham	Walker
Pennarth Castle, eight miles west of Swansea	May, 1803	Mr. Sowerby	Hailstone
Rocks at Malham Cove and Tarn, Yorkshire	1840	J. Howson	"
Upon the ledge of the Cove ..	1840	S. Hailstone	"
St. Vincent's Rock, Bristol ..	1884	H. Fisher	Wilkinson
" " " " " "	1824	W. Middleton	Middleton
St. Vincent's Rock, Bristol ..	1786	J. Dalton	Rev. Jas. Dalton
Waterfall nr. Burton in Bishopdale, Yorkshire	1820	"	"

144. *Isatis tinctoria*, Linn.

Woad, Tewkesbury, &c.

Distrib. Europe, N. Asia.

<i>Sp.</i> Chalk pits, Guildford, Surrey .	(1800)	J. Dalton	Rev. Jas. Dalton
Near Ramsgate, Kent	1820	W. Middleton	Middleton

**145. *Crambe maritima*,
Linn.**

Sea-Kale. *Sea coasts* from Fife southward.

Distrib. From Finland to the Black Sea.

<i>Sp.</i> Dunkettle, Co. Cork	1892	R. A. Phillips	Wilkinson
Shoreham, Sussex	1820	W. Middleton	Middleton
Coatham, Yorkshire	1838	H. Baines	Hailstone

	DATE.	COLLECTOR.	HERBARIUM.
146. Cakile maritima, Scop.			
Sea Rocket. <i>Sandy shores</i> from Shetland to Channel Islands.			
<i>Distrib.</i> Europe, N. Africa.			
<i>Sp.</i> Coatham and Redcar, Yorkshire ..	1799	S. Hailstone	Hailstone
South Sands, Bridlington, Ow- thorpe, &c... .. }	1820	"	"
Fleetwood, Lancashire	1820	"	"
Yarmouth	1842	"	"
Walker Ballast Hills, Banks of the Tyne, Northumberland	1839	H. Baines	Walker
Whitby, Yorkshire	1820	W. Middleton	Middleton
Tunstall, near Withernsea, Yorkshire	1892	H. J. Wilkinson	Wilkinson
147. Raphanus Raphanis- trum, Linn.			
Wild Radish. <i>Cornfields</i> , from Shetland to Channel Islands.			
<i>Distrib.</i> Europe (Arctic) N. Africa; N.W. Asia.. ..			
<i>Sp.</i> Yorkshire	1820	W. Middleton	Middleton
148. Raphanus maritimus, Sm.			
Radish. <i>Sandy and rocky shores</i> from Fife southwards.			
<i>Distrib.</i> W. Europe.			
<i>Sp.</i> Chalk cliffs at Beachy Head ..	Sep., 1834	S. Hailstone, jun.	Hailstone
Southwick, Sussex.	Sep., 1895	Hilton	Wilkinson

CATALOGUE OF BRITISH PLANTS IN THE HERBARIUM
OF THE
YORKSHIRE PHILOSOPHICAL SOCIETY.

PART III.

RESEDACEÆ.

	DATE.	COLLECTOR.	HERBARIUM..
149. Reseda alba, Linn. Mignonette. Waste places (<i>alien</i>). <i>Distrib.</i> Southern Europe, &c. <i>Sp.</i> Endgreen, Penzance (1820) Rev. J. Dalton Rev. J. Dalton			
150. Reseda lutea, Linn. <i>Waste places</i> on Calcareous soil from Durham to Cornwall. <i>Distrib.</i> Europe, N. Africa & W. Asia. <i>Sp.</i> Summer Castle, Lincolnshire .. (1810) Rev. J. Dalton Rev. J. Dalton In cornfields, &c., about Bramham, Yorkshire 1801 S. Hailstone S. Hailstone			
151. Reseda Luteola, Linn. Dyer's Weed; Weld. <i>Waste places</i> on Calcareous soil. E. Sutherland southward. <i>Distrib.</i> Europe, N. Africa & W. Asia <i>Sp.</i> Thorp Arch (Yorkshire), and various places upon the Magnesian limestone 1820 S. Hailstone S. Hailstone Near Ripon, Yorkshire 1820 Rev. J. Dalton Rev. J. Dalton			

CISTINEÆ.

152. Helianthemum guttatum, Mill. <i>Dry hilly downs</i> , Cork, Jersey, &c. <i>Distrib.</i> Europe, N. Africa, W. Asia. <i>Sp.</i> St. Brelades, Jersey July 1845 Dr. Dickson S. Hailstone Jersey 1826 Rev. J. Dalton Rev. J. Dalton La Corbiere, Jersey 1849 Dr. Dickson S. Hailstone			
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	DATE.	COLLECTOR.	HERBARIUM.
153. Helianthemum Breweri, Planch. <i>Stony places, Anglesea.</i>			
<i>Sp.</i> Holyhead Mountain, Anglesea ..	June 1, 1850	J. Ball	S. Hailstone
154. Helianthemum mari- folium, Mill. <i>Limestone rocks, Teesdale to N. Wales.</i>			
<i>Distrib.</i> Europe, N. Africa, W. Asia.			
<i>Sp.</i> Great Ormes head (Carnarvonshire)	1839	W. Gourlie, junr.	S. Hailstone
Helianthemum marifolium var. vineale, Pers.			
<i>Sp.</i> Cronkley Fell, Teesdale, Yorks.	Aug 25 1824	S. Hailstone	S. Hailstone
" " "	1816	Rev. J. Dalton	Rev. J. Dalton
" " "	1849	D. Oliver	S. Hailstone
" " "	1840	H. Baines	A. W. Walker
Great Isle of Aran; Galway ..	1850	Dr. Melville	S. Hailstone
(Sub nom. <i>H. canum</i> and <i>Cistus marifolius</i>)			
Cronkley Fell, Yorkshire	1883	H. J. Wilkinson	H. J. Wilkinson
155. Helianthemum Cham- æcistus, Mill. <i>Rock rose. Dry places, Sutherland to Cornwall.</i>			
<i>Distrib.</i> Europe (Arctic), N. Africa, W. Asia.			
<i>Sp.</i> Black Hambleton, N Yorkshire,			
Saltburn, N.E Yorkshire ..	1799	S. Hailstone	S. Hailstone
Bramham, &c., Yorkshire	1800	S. Hailstone	S. Hailstone
Helks Wood, Ingleton, W. Yorks.	1840	H. Baines	A. W. Walker
Roulston Sear, Thirsk, Yorkshire	1890	H. J. Wilkinson	H. J. Wilkinson
Near Newark, Notts.	1816	W. Middleton	W. Middleton
Ripon, Yorks.	1800	Rev. J. Dalton	Rev. J. Dalton
156. Helianthemum poli- folium, Mill. <i>White rock rose. Devon. and Somerset.</i>			
<i>Distrib.</i> Mid. and S. Europe, N. Africa			
<i>Sp.</i> Rocks near Torquay, Devon. ..	1846	Mr. Garforth	S. Hailstone
Brean Downs, Somerset.	June 1883	H. Fisher	H. J. Wilkinson
Babbicombe, Devon.	1815	Rev. J. Dalton	Rev. J. Dalton
Brean Downs, Somerset.	1820	Woods	Rev. J. Dalton
Brean or Brent Downs, Somerset.	1820	Dr. Bromfield	S. Hailstone

VIOLACEÆ.

157. *Viola palustris*, Linn.

Marsh Violet. *Swamps and bogs*, Sutherland to Cornwall.

Distrib. Temp. and Arctic Europe, Asia and America.

Sp. Copgrove, nr. Borobridge, Yorks.
Near Holwick (Teesdale), Yorks.,
Ravenroyd Wood (Burnley or
Bingley), Fir plantation on the
Kirkby Hill road nr. Borobridge
Hollyhill wood, Castle Howard,
Yorks.
Halifax, &c., Yorks.
Askham Bogs near York
Langwith ,, ...

DATE.	COLLECTOR.	HERBARIUM.
1790	Rev. J. Dalton	Rev. J. Dalton
1830	S. Hailstone	S. Hailstone
1820	W. Middleton	W. Middleton
1840	H. Baines	A. W. Walker
1882	H. J. Wilkinson	H. J. Wilkinson

158. *Viola odorata*, Linn.

Sweet violet. *Hedgebanks and copses*, E. and S. England.

Distrib. Europe, N. Africa, N. & W. Asia.

Sp. Copgrove, Borobridge, Yorks.
York
Hedges between York and Holgate,
Thorparch, Yorks.

1790	Rev. J. Dalton	Rev. J. Dalton
1820	W. Middleton	W. Middleton
1832	S. Hailstone	S. Hailstone

159. *Viola hirta*, Linn.

Hairy Violet. *Dry chalky soils*, Forfar to Cornwall.

Distrib. Europe and N. W. Asia.

Sp. Copgrove, Yorks.
Studley Park, Ripon, Yorks.
Rocks at Gordale, Settle, Yorks.
Thorparch, Yorks.
Hovingham, Yorks.
Thorparch, Yorks.

1790	Rev. J. Dalton	Rev. J. Dalton
1800	W. Brunton	S. Hailstone
1840	S. Hailstone	S. Hailstone
1840	O. A. Moore	O. A. Moore
1820	W. Middleton	W. Middleton
1840	H. Baines	A. W. Walker

	DATE.	COLLECTOR.	HERBARIUM.
160. <i>Viola sylvatica</i>, Fries.			
Wood violet. <i>Hedgebanks and thickets</i> from Shetland to Cornwall.			
<i>Distrib.</i> Europe, N. and W. Asia.			
<i>Sp.</i> Knavesmire, near York	1840	H. Baines	A. W. Walker
Halifax, &c., Yorks.	1830		
Askham bogs, York	1883	H. J. Wilkinson	H. J. Wilkinson
Copgrove, Boro'bridge, Yorks. ..	1790	Rev. J. Dalton	Rev. J. Dalton
(Sub nom. <i>V. canina</i>).			
161. <i>Viola canina</i>, Linn.			
Dog Violet. <i>Sandy and peaty places</i> from Caithness to Cornwall.			
<i>Distrib.</i> Europe (Arctic), N. & W. Asia, N. America.			
<i>Sp.</i> Strensall Common, York.	1884	H. J. Wilkinson	H. J. Wilkinson
162. <i>Viola lactea</i>, Sm.			
<i>Heaths</i> , York to Cornwall.			
<i>Distrib.</i> W. Europe.			
<i>Sp.</i> Thorn Moor, Yorks.	(1842)	H. Baines	A. W. Walker
163. <i>Viola stagnina</i>, Kit.			
<i>Bogs.</i> E. England and Galway.			
<i>Sp.</i> Bottisham Fen, Cambs.	(1830)	Prof. Henslow P. B. O'Kelly	Rev. J. Dalton H. J. Wilkinson
Newtown, Gort, Co. Galway ..	1894		
164. <i>Viola tricolor</i>, Linn.			
Wild Pansy. <i>Cultivated ground</i> , Shetland to Cornwall.			
<i>Distrib.</i> Europe (Arctic), N. Africa, N. and W. Asia.			
<i>Sp.</i> Croft, Yorks.	1826	Rev. J. Dalton S. Hailstone	Rev. J. Dalton S. Hailstone
Thorparch, Yorks.	1830		

	DATE.	COLLECTOR.	HERBARIUM.
165. <i>Viola arvensis</i>, Murr. <i>Sp.</i> Sandy fields, Poppleton, York ..	1882	H. J. Wilkinson	H. J. Wilkinson
166. <i>Viola Curtisii</i>, Forster. <i>Sandy shores</i> from E. Sutherland to Cornwall. <i>Sp.</i> Sandy sea-shore, Lytham and Heysham, Lancashire	1895	H. J. Wilkinson	H. J. Wilkinson
167. <i>Viola lutea</i>, Huds. Yellow (Mountain) Pansy. <i>Hilly districts</i> E. Sutherland to Wales. <i>Distrib.</i> W. and Central Europe. <i>Sp.</i> Kirkby Hill Moor, &c., Yorks. .. Ripon, &c., Yorks. Sawley Moor, Ripon, Yorks. .. Near the water trough in the fields at Boggrington, upon the common as you go from Malham to the octagon summerhouse at the Tarn, and near the Farmhouse. In the field where the Octagon house stands Gordale, &c., Settle, Yorks. .. Teesdale, Halifax, &c., Yorks. .. Pastures by the Tees above High Force, Yorks. and Durham .. Kirby Hill, Borobridge, Yorks. ..	1800 1800 1807 1808 1832 1840 1883 1820	W. Brunton Rev. J. Dalton S. Hailstone S. Hailstone S. Hailstone H. Baines H. J. Wilkinson W. Middleton	Rev. J. Dalton Rev. J. Dalton S. Hailstone S. Hailstone S. Hailstone A. W. Walker H. J. Wilkinson W. Middleton

POLYGALEÆ.

168. <i>Polygala vulgaris</i>, Linn. Milkwort. <i>Heaths and dry hilly pastures</i> , Shetland to Cornwall. <i>Distrib.</i> Europe (Arctic) N. Africa, W. Asia <i>Sp.</i> Croft, Yorks. York Thorparch, Yorks. Fawdington Common, Brafferton, Yorks.	1826 1840 1830 1834	Rev. J. Dalton H. Baines S. Hailstone Rev. W. Gray	Rev. J. Dalton A. W. Walker S. Hailstone H. J. Wilkinson
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	DATE.	COLLECTOR.	HERBARIUM.
169. Polygala oxyptera, Reichb. <i>Sandy and chalky soils from Perth southd.</i> <i>Sp. From Sands, Southport</i>	1884	F. C. King	H. J. Wilkinson
170. Polygala serpyllacea, Weihe. <i>Sp. Thorparch, Yorks. (Sub nom. vulgaris).</i>	1830	S. Hailstone	S. Hailstone
171. Polygala calcarea, F. Schultz. <i>Dry soil and rocks, S. & S.E. of England.</i> <i>Distrib. Central and S. Europe.</i> <i>Sp. Cliff Hill, Lewes</i> <i>Chalk hills, Leatherhead downs,</i> <i>Surrey</i>	1895 1889	E. H. Farr Wm. Whitwell, F.L.S.	H. J. Wilkinson H. J. Wilkinson
172. Polygala austriaca, Crantz. <i>Sp. Roadside bank, Caterham, Surrey</i>	July 1891	Wm. Whitwell, F.L.S.	H. J. Wilkinson

FRANKENIACEÆ.

173. Frankenia lævis, Linn. <i>Sea-Heath. Salt marshes, S. and E.</i> <i>coasts of England.</i> <i>Distrib. W. Europe, Africa, W. Asia.</i> <i>Sp. Shoreham beach, Sussex</i> <i>Yarmouth</i> <i>„</i>	Sept. 1895 (1800) (1800)	T. Hilton Rev. J. Dalton Sir Thos. Gage	H. J. Wilkinson Rev. J. Dalton Rev. J. Dalton
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CARYOPHYLLÆ.

	DATE.	COLLECTOR.	HERBARIUM.
174. Dianthus Armeria, Linn.			
Deptford Pink. <i>Fields and dry banks from Forfar to Cornwall.</i>			
<i>Distrib.</i> Europe, W. Asia, &c.			
<i>Sp.</i> St. Mary's Church, Devon ..	1847	Parker	S. Hailstone
Kingsteignton, Devon ..	July 10 1837	W. S. Hore	S. Hailstone
Chelsfield, Kent	1843	E. Edwards	Rev. J. Dalton, Jr.
Upnor or (Uppor), Kent ..	July 17 1826	Prof. Henslow	Rev. J. Dalton
Rochester, Kent	1826	Prof. Henslow	"
Near Wolsingham	(1830)	W. B.	"
Henfield, Sussex	1823	Rev. J. Dalton	"
175. Dianthus deltoides, Linn.			
Maiden Pink. <i>Sandy and gravelly places, Inverness to Kent.</i>			
<i>Distrib.</i> Europe.			
<i>Sp.</i> Scampston Park, Malton, Yorks.	1820	W. Middleton	W. Middleton
Blair Athol, Perthshire	"	"	"
Edinburgh (var <i>glauca</i>)	"	"	"
Scampston Park, Yorks.	1798	R. Teesdale	Rev. J. Dalton
" " " "	1800	Rev. J. Dalton	Rev. J. Dalton
Terrington (Malton), Yorks. ..	1837	R. Spruce	H. J. Wilkinson
Edinburgh	1830	Giles Munby	G. Munby
Degawny, Conway (Carn.) ..	1884	H. Fisher	H. J. Wilkinson
Terrington, Yorks.	1884	H. J. Wilkinson	H. J. Wilkinson
176. Dianthus cæsius, Sm.			
Cheddar Pink. <i>Limestone rocks, Cheddar.</i>			
<i>Distrib.</i> Belgium southward.			
<i>Sp.</i> Cheddar Cliffs, Somersetshire ..	1820	Rev. J. Dalton	Rev. J. Dalton
" " " " ..	1830	S. Hailstone	S. Hailstone
" " " " ..	1840	Stewart	S. Hailstone

	DATE.	COLLECTOR.	HERBARIUM.
177. <i>Dianthus plumarius</i>, Linn.			
Wild pink. <i>Naturalized on old walls.</i>			
<i>Sp.</i> Walls, Fountains Abbey, Ripon,			
Yorks.	1844	O. A. Moore	O. A. Moore
Thorparch Woods, Yorks. . .	1832	S. Hailstone	S. Hailstone
Studley Woods, nr. Ripon (sub nom.			
<i>caryophyllus</i>)		Rev. J. Dalton	Rev. J. Dalton
178. <i>Dianthus caryophyllus</i>, Linn.			
Clove Pink.			
Walls, Rochester Castle, Kent	(1800)	Mr. Winch	Rev. J. Dalton
Deal Castle, Kent	1820	W. Middleton	W. Middleton
Rochester Castle, Kent	July 16 1827	Prof. Henslow	Rev. J. Dalton
179. <i>Dianthus prolifer</i>, Linn.			
<i>Sandy & gravelly places</i> , Perth southwards.			
<i>Distrib.</i> Europe, W. Asia.			
<i>Sp.</i> Isle of Wight	1843	Dawson Turner	S. Hailstone
180. <i>Saponaria officinalis</i>.			
Soapwort. <i>Banks of streams, hedges, &c., naturalized.</i>			
<i>Distrib.</i> Europe and temp. Asia.			
<i>Sp.</i> Near Grimbald bridge on the banks			
of the Nidd (Knaresbro'), Yorks.	1800	Rev. J. Dalton	Rev. J. Dalton
Banks of the Swale, Topcliffe, Yorks.	1790	"	"
" " "	1829	Rev. W. Gray	H. J. Wilkinson
Behind the Castle, Scarbro' . .	1813	S. Hailstone	S. Hailstone
On the rocks in the river above the			
bridge, Kirkby Lonsdale, West-			
moreland	Aug. 1834	S. Hailstone	S. Hailstone
Scarbro', Yorks.	1820	W. Middleton	W. Middleton

	DATE.	COLLECTOR.	HERBARIUM.
181. <i>Silene Cucubalus</i>, Wibel.			
Bladder campion. <i>Roadsides</i> , Caithness to Cornwall.			
<i>Distrib.</i> Europe (Arctic), N. Africa, N.W. India.			
Tummel Ferry, Perthshire, Scotland.		S. Hailstone	S. Hailstone
Field where the Tower stands, Southburn	1830	"	"
Copgrove, Yorks.	1790	Rev. J. Dalton	Rev. J. Dalton
Thorparch, Yorks.	1840	S. Hailstone	S. Hailstone
182. <i>Silene maritima</i>, With.			
<i>Sea shores and alpine rills</i> , Shetland to Cornwall.			
<i>Distrib.</i> Shores of Europe (Arctic) to the Canaries.			
<i>Sp.</i> Ilfracombe, N. Devon	1820	Rev. J. Dalton	Rev. J. Dalton
" "	1883	H. Fisher	H. J. Wilkinson
Rocks above Wharfe (nr. Settle) ..	1844	J. Tatham	H. J. Wilkinson
From Dawlish on the coast of Devonshire by my daughter Jane	1847	Miss Hailstone	S. Hailstone
183. <i>Silene Armeria</i>, Linn. (<i>Alien.</i>)			
<i>Sp.</i> Near Yalding, Kent	1844	E. Edwards	Rev. J. Dalton, Jr.
184. <i>Silene conica</i>, Linn.			
<i>Pastures and sandy heaths</i> , Kent to Forfar.			
<i>Distrib.</i> Europe, N. Africa, W. Asia			
<i>Sp.</i> Sandhills nr. Sandown Castle, Kent	(1820)	W. Middleton	W. Middleton
Dover	(1820)	Rev. J. Dalton	Rev. J. Dalton
Dirleton, Haddingtonshire	1830	Giles Munby	G. Munby
Romney Warren, Kent	(1820)	Rev. J. Dalton	Rev. J. Dalton

	DATE.	COLLECTOR.	HERBARIUM.
185. <i>Silene anglica</i>, Linn.			
<i>Sandy and gravelly fields</i> , Elgin to Cornwall.			
<i>Distrib.</i> Europe, N. Africa, N. and W. Asia.			
<i>Sp.</i> Field near the road from Wetherby to Bramham (Yorkshire) ..	Aug 7, 1849	Mr. Birbeck.	S. Hailstone
Croft, Yorkshire (S. gallica) ..	1826	Rev. J. Dalton	Rev. J. Dalton
Fields near St. David's, S. Wales	1820	W. Middleton	W. Middleton
186. <i>Silene quinquevulnera</i>, Linn.			
<i>Sp.</i> Duppas Hill, Croydon, Surrey, where I knew it 30 years ago ..	1827	Rev. J. Dalton	Rev. J. Dalton
187. <i>Silene acaulis</i>, Linn.			
Moss campion. <i>Alpine rocks</i> , Shetland to Carnarvon.			
<i>Distrib.</i> All arctic regions, Alps of Europe, N. Asia, and N. America.			
<i>Sp.</i> Ben Lawers, Perthshire	1801	Mr. Winch	Rev. J. Dalton
Rocks, Cwm Idwel, Carnarvon ..	1820	W. Middleton	W. Middleton
Near summit of Snowdon on the Capel Curig side ..	June 30 1842	J. Backhouse, Jr.	H. J. Wilkinson
Ben Lomond (Stirlingshire) .	July 25 1839	S. Hailstone	S. Hailstone
Ben Lomond ,, ..	1848	Mr. McKay	„
Glen Callater, Aberdeenshire ..	Aug. 9 1842	Dr. Balfour	„
Glen Callater	1830	Dr. Greville	Rev. J. Dalton
188. <i>Silene Otites</i>, Wibel.			
<i>Sandy fields and roadsides</i> , Norfolk, Suffolk, &c.			
<i>Distrib.</i> Europe, Siberia, W. Asia.			
<i>Sp.</i> Chippenham gravel pits, Cambridge	1800	Rev. J. Dalton	Rev. J. Dalton
Thetford Heath, Suffolk ..	1884	Rev. J. D. Gray	H. J. Wilkinson

189. *Silene nutans*, Linn.

Nottingham Catchfly. *Dry places and walls*, Forfar to Channel Islands.

Distrib. Europe (Arctic), Canaries.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Rocks, Knaresbro', Yorkshire ..	1800	W. Brunton	S. Hailstone
Great Orme's Head, Carnarvon ..	1884	H. Fisher	H. J. Wilkinson
Dover, Kent	1820	W. Middleton	W. Middleton

190. *Silene noctiflora*, Linn.

Sandy fields, Forfar to Cornwall.

Distrib. Europe, Siberia, W. Asia.

<i>Sp.</i> Copgrove, Yorks.	1790	Rev. J. Dalton	Rev. J. Dalton
Near Owlet Hall, Thorparch, Yorks.	1849	Mr. Birkbeck	S. Hailstone
In a field behind the sandhills between Redcar and Marske ..	Aug. 1832	S. Hailstone	"
Oglethorp and Thorparch, Yorks.	"	"	"
Ripon	1820	W. Middleton	W. Middleton
York (Heslington fields)	1840	O. A. Moore	O. A. Moore

**191. *Cucubalus baccifer*,
Linn. (*Alien*).**

<i>Sp.</i> Isle of Dogs, Middlesex	1843	E. Edwards	Rev. J. Dalton, Jr.
Specimen from Mr. Robson (no locality).			

192. *Lychnis alba*, Mill.

White campion. *Fields, hedgerows, &c.*

Distrib. Europe, N. Africa, Siberia.

<i>Sp.</i> Copgrove, Yorkshire	1790	Rev. J. Dalton	Rev. J. Dalton
Brafferton, ,, ...	1835	Rev. W. Gray	H. J. Wilkinson
Thorparch, ,, ...	1850	S. Hailstone	S. Hailstone

193. *Lychnis dioica*, Linn.

Red campion. *Damp copses, &c.*, Shetlands to Channel Islands.

Distrib. Europe (Arctic) to the Caucasus.

Sp. Croft, Yorkshire 1830
 Studley Woods, Ripon, Yorkshire 1844
 Copgrove, Yorkshire 1790
 (Sub nom *L. Silvestris* and *dioica* var. *rubra*.)

DATE.

COLLECTOR.

HERBARIUM.

Rev. J. Dalton

Rev. J. Dalton

O. A. Moore

O. A. Moore

Rev. J. Dalton

Rev. J. Dalton

194. *Lychnis Flos-cuculi*, Linn.

Ragged Robin. *Moist Meadows, Copses, &c.*
 Shetlands to Cornwall.

Distrib. Europe (Arctic), Siberia.

Sp. Copgrove, Yorkshire 1790
 Brafferton (Borobridge), Yorkshire 1834
 Thorparch, Yorkshire 1840

Rev. J. Dalton

Rev. J. Dalton

Rev. W. Gray

H. J. Wilkinson

S. Hailstone

S. Hailstone

195. *Lychnis Viscaria*, Linn.

Trap rocks, local, N. Wales, M. and S.
 Scotland.

Distrib. Europe (excl. Spain and Greece)
 to the Caucasus.

Sp. Blackford Hill, Edingburgh .. 1820
 Arthur's seat, .. 1830
 " " .. 1840
 Blackford, near Edinburgh .. (1820)
 Arthur's seat, Edinburgh .. 1830

Rev. J. Dalton

Rev. J. Dalton

Giles Munby

G. Munby

O. A. Moore

O. A. Moore

Dr. Murray

W. Middleton

S. Hailstone

S. Hailstone

196. *Lychnis alpina*, Linn.

Alpine moors and ravines, Cumberland,
 Lancashire, and Clova Mountains.

Distrib. Alps, Pyrenees, and Arctic
 regions.

Sp. "Rocks on the Mountains of Clova
 in Angushshire," but rare .. 1800
 Clova Mountains, Forfarshire .. 1810
 " " " .. 1820
 " " " .. 1830
 Glen Isla, " .. 1839
 Clova Mountains, " .. 1850
 " " " .. Aug. 1832
 " " from Mr. Leyland, }
 Halifax } (1840)

Don

Rev. J. Dalton

W. Middleton

W. Middleton

Rev. J. Dalton

Rev. J. Dalton

S. Hailstone

S. Hailstone

Dr. Greville

H. J. Wilkinson

H. Ibbotson

J. McNab

Giles Munby

S. Hailstone

197. *Lychnis Githago*, Scop.

Corn-Cockle. *Cornfields*, Orkneys to Channel Islands.

Distrib. Europe, W. Asia to Persia.

Sp. Brafferton, near Borobridge, Yorks.
Ripon

DATE.

COLLECTOR.

HERBARIUM.

1829

Rev. W. Gray

H. J. Wilkinson

1800

W. Brunton

Rev. J. Dalton

198. *Holosteum umbellatum*, Linn.

Old Walls, &c., Norwich and Bury.

Distrib. Europe, N. Africa, W. Asia.

Sp. On old walls, Bury, Suffolk .. 1800
Walls of Norwich, Norfolk .. 1840
Walls, Bury St. Edmund's, Suffolk May 1803
Bury St. Edmund's, Suffolk .. 1855

Sir Thos. Gage

S. Hailstone

J. Backhouse

S. Hailstone

Rev. J. Dalton

Rev. J. Dalton

H. Ibbotson

H. J. Wilkinson

199. *Cerastium quaternellum*, Fenzl.

Gravelly pastures, Cheviots to Cornwall

Distrib. W. Europe from Holland to Hungary.

Sp. Farnham, Suffolk (1820)
Kensington, near London (1810)
North side of Castle Hill, Hastings 1834
Ashdown Forest, Sussex June 1895

Rev. J. Dalton

Rev. J. Dalton

W. Middleton

W. Middleton

S. Hailstone

S. Hailstone

E. H. Farr

H. J. Wilkinson

200. *Cerastium tetrandrum*, Curtis.

Sandy and waste places usually near the sea, Shetland to Channel Islands.

Distrib. W. Europe.

Sp. Queensferry (Fife) (1810)
Flamborough Head, Yorkshire,
near the lighthouse 1820
Hastings (Sub nom. *semidecandrum*) 1834
Redcar and Coatham, N.E. Yorks. (1806-30)

Rev. J. Dalton

Rev. J. Dalton

W. Middleton

W. Middleton

S. Hailstone

S. Hailstone

Rev. J. Dalton

Rev. J. Dalton

	DATE.	COLLECTOR.	HERBARIUM.
201. Cerastium pumilum, Curtis.			
<i>Dry banks, Worcester, Gloucester, Devons.</i>			
<i>Sp.</i> St. Vincent's rocks	(1820)	W. Middleton	W. Middleton
(Sub nom. <i>semidecandrum</i>).			
Black rock gully, Bristol, Gloucester	1884	H. Fisher	H. J. Wilkinson
202. Cerastium semidecandrum, Linn.			
Mouse-ear chickweed. <i>Walls and dry banks, Shetland to Channel Islands.</i>			
<i>Distrib.</i> Europe, N. Africa.			
<i>Sp.</i> Ellershaw, near Ripon	1800	W. Brunton	S. Hailstone
Redcar, N.E. Yorks	1799	S. Hailstone	S. Hailstone
" " " "	1808	Rev. J. Dalton	Rev. J. Dalton
203. Cerastium glomeratum Thuill.			
<i>Dry places, Shetland to Cornwall.</i>			
<i>Distrib.</i> Europe (Arctic), N. Africa, W. Asia.			
<i>Sp.</i> Brafferton (Borobridge), Yorkshire	1835	Rev. W. Gray	H. J. Wilkinson
Thorparch, Yorkshire	1840	S. Hailstone	S. Hailstone
Stockgill Force, Westmoreland . .	Sept. 1836	S. Hailstone	"
204. Cerastium triviale, Link.			
<i>Waste places, Shetland to Channel Islands.</i>			
<i>Distrib.</i> Europe from the Arctic Circle southwards.			
<i>Sp.</i> Copgrove, Yorkshire	1790	Rev. J. Dalton	Rev. J. Dalton
Stittenham Wood, Flaxton, Yorks.	1843	H. Ibbotson	H. J. Wilkinson
Bottisham, Cambs. . . .	1840	S. Hailstone	S. Hailstone

205. Cerastium alpinum,
Linn.

Alpine and subalpine rocks, Westmoreland, Wales, and Scotland.

Distrib. Mountains of Europe, N. America, and all Arctic regions.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Ben Lawers and Loch-na-gar	(1820)	Rev. J. Dalton	Rev. J. Dalton
Clova Mountains, Forfar	1839	J. Balfour	S. Hailstone
Ben Lawers, Perthshire	1810	W. Middleton	W. Middleton
" " " "	(1820)	W. J. Hooker	Rev. J. Dalton
Ben Lomond, Stirlingshire	1827	Rev. J. Hailstone	S. Hailstone
" " " "	(1840)	G. Maw	A. W. Walker

206. Cerastium arcticum,
Lange

(Sub nom. *Cerastium latifolium*).

<i>Sp.</i> Ben Nevis (Inverness)	1845	Dr. Balfour	S. Hailstone
Ben Lomond (Stirling)	1848	Mr. McKay	S. Hailstone
Ben Nevis (Inverness)	"	G. Maw	A. W. Walker
" " " "	(1820)	Rev. J. Dalton	Rev. J. Dalton
" " " "	(1810)	W. Middleton	W. Middleton

207. Cerastium arvense,
Linn.

Sandy fields and waste places, Inverness southward.

<i>Sp.</i> Sandhills, Ganthorpe, Yorkshire ..	June, 1843	H. Ibbotson	H. J. Wilkinson
Wentbridge and Fairburn	1806	S. Hailstone	S. Hailstone
Pontefract, Ferrybridge, Thorparch, Yorkshire	1832		
Banks of the Ouse, Poppleton, York ..	1883	H. J. Wilkinson	H. J. Wilkinson
Banks of the Ouse, Clementhorpe ..	1884	H. J. Wilkinson	H. J. Wilkinson
Newmarket Heath, Cambs.	1845	S. Hailstone	S. Hailstone

208. Cerastium trigynum,
Vill.

Alpine and subalpine rills, Mid. Scotland.

Distrib. Alps of Europe, N. and W. Asia.

<i>Sp.</i> Ben Bourd, Braemar	1839	Dr. Balfour	S. Hailstone
Ben Lomond (Stirling)	1840	Mr. McKay	S. Hailstone
" " " "	1820	W. Middleton	W. Middleton
Ben Nevis (Inverness)	1800	Rev. J. Dalton	Rev. J. Dalton
Cairntoul, Braemar, (Aberdeen) ..	1850	J. Backhouse, Jr.	H. J. Wilkinson

209. *Stellaria aquatica*, Scop.

Borders of ditches, streams, &c., York southward.

Distrib. Europe, N. Africa, N. & W. Asia

Sp. Claypool Mill, 4 miles from Newark,

Notts.	1816	W. Middleton	W. Middleton
Banks of the Foss, York	1840	O. A. Moore	O. A. Moore
Near the river Foss, York	1806	S. Hailstone	S. Hailstone
Layerthorpe Postern, York			
Ditches in the fields between North street Postern and Holgate, York			
Bramham Beck below the Mill, Thorparch, Yorks.	1825		
Ditches about Grandchester Mills, Cambs.	Aug. 6, 1849	Mr. Birkbeck	,
Banks of the Foss, Huntingdon	1839	S. Hailstone	,
Banks of the Ouse, Poppleton, York	1883	H. J. Wilkinson	H. J. Wilkinson
By the brook past the Angel Inn, going from Brafferton to York			
	1834	Rev. W. Gray	H. J. Wilkinson

210. *Stellaria nemorum*, Linn.

Shady places from Dumbarton to S. Wales.

Distrib. Europe excl. Greece & Turkey.

<i>Sp.</i> Weathercoat Cave, Settle, Yorks.	1844	O. A. Moore	O. A. Moore
Castle Howard Woods	1790	R. Teesdale	Rev. J. Dalton
Hackfall, Ripon, ...	1800	W. Brunton	,
Studley Woods, Ripon, ...	1800	Rev. J. Dalton	,
Thorparch Woods, ...	1848	S. Hailstone	S. Hailstone
Ravenroyd Wood, Bingley, ...	1809	S. Hailstone	S. Hailstone
Heath, near Wakefield, ...			
Howsham Woods, near York	1850	H. Ibbotsen	H. J. Wilkinson

211. *Stellaria media*, Cyr.

Chickweed. *Waste ground.*

Distrib. All Arctic and N. Temp. regions.

<i>Sp.</i> Copgrove, Yorkshire	1790	Rev. J. Dalton	Rev. J. Dalton
Brafferton, ...	1834	Rev. W. Gray	H. J. Wilkinson

212. *Stellaria Holostea*, Linn.

Stitchwort. *Hedges and copses, &c.,*
Caithness southward.

Distrib. Europe and W. Asia.

<i>Sp.</i> Copgrove, Yorkshire	1791
Thorparch „	1840
York	1883
Poppleton, near York	1826
Croft, Yorkshire	

DATE.

COLLECTOR.

HERBARIUM.

Rev. J. Dalton
S. Hailstone
S. Hailstone
H. J. Wilkinson
Rev. J. Dalton

Rev. J. Dalton
S. Hailstone
S. Hailstone
H. J. Wilkinson
Rev. J. Dalton

213. *Stellaria palustris*, Ehrh.

Marshy places, Fife to Channel Islands.

Distrib. Europe, W. Asia.

<i>Sp.</i> Copgrove, near Borobridge, Yorks.	1790
Beverley, E. Yorkshire	1798
In the field called the Brick Garth, adjoining the Canal at Selby	
(Yorkshire) plentifully	1807
Askham Bogs (York)	1883

1790
1798

1807
1883

Rev. J. Dalton
Col. Machell

S. Hailstone
H. J. Wilkinson

Rev. J. Dalton
Rev. J. Dalton

S. Hailstone
H. J. Wilkinson

214. *Stellaria graminea*, Linn

Hedgebanks, &c., Channel Islands to
Shetland.

Distrib. Europe (Arctic), Siberia, W.
Asia.

<i>Sp.</i> Copgrove, Yorkshire	1790
Thorparch, Yorkshire	1840
Brafferton, Yorkshire	1830
Upon a Mountain, North of Loch	
Oich, Invernesshire (under <i>S.</i>	
<i>scapigera</i>)	(1800)
Strensall Common, York	1883

1790
1840
1830

(1800)
1883

Rev. J. Dalton
S. Hailstone
Rev. W. Gray

Rev. J. Dalton
H. J. Wilkinson

Rev. J. Dalton
S. Hailstone
H. J. Wilkinson

Rev. J. Dalton
H. J. Wilkinson

215. *Stellaria uliginosa*, Murr

Wet places, Shetland to Channel Islands.

Distrib. Europe (Arctic), N. Africa,
N. America.

<i>Sp.</i> Copgrove, Yorkshire	1790
York	1820
Askham Bogs, York	1883
Strensall Common, York	1883

1790
1820
1883
1883

Rev. J. Dalton
S. Hailstone
H. J. Wilkinson
„

Rev. J. Dalton
S. Hailstone
H. J. Wilkinson
„

216. *Arenaria verna*, Linn.

Sandwort. *Dry rocks and pastures*,
Cornwall to Shetland.

Distrib. M. and S. Europe, N. Africa,
N. America.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Rocks above Settle	1840	J. Tatham	S. Hailstone
Near the Strid, Bolton, Yorkshire	1799	S. Hailstone	S. Hailstone
Malham Tarn, Yorkshire	1830	S. Hailstone	S. Hailstone
Ingleborough, W. Yorkshire ..	1893	H. J. Wilkinson	H. J. Wilkinson
Cronkley Fell, Teesdale, Yorkshire	1883	H. J. Wilkinson	H. J. Wilkinson
Llanberries (Carnarvon)	1798	Rev. W. Bingley	Rev. J. Dalton
Snowdon	1800	Rev. J. Dalton	Rev. J. Dalton
Arthur's Seat, Edinburgh ..	(1820)	W. Middleton	W. Middleton
Greenhow Hill		W. Middleton	W. Middleton
Ingleborough, Yorkshire	1787	Rev. J. Dalton	Rev. J. Dalton

**217. *Arenaria Sulcata*,
Schlecht.**

Rocks, W. Sutherland and Mid. Perth.

Distrib. Arctic Regions.

<i>Sp.</i> Ben Lawers, Perthshire	1826	Rev. J. Dalton	Rev. J. Dalton
Ben Lawers, „	1850	H. Ibbotson	H. J. Wilkinson
Ben Lawers, „	1839	(Gourlie)	S. Hailstone
Craig Chaillack	1837	(Gourlie)	S. Hailstone
(sub nom. <i>A. rubella</i> , Hook).			

**218. *Arenaria uliginosa*,
Schleich.**

Banks of a rill, Widdy Bank, Teesdale,
Durham.

Distrib. W. Europe (Arctic), Lapland,
Italy.

<i>Sp.</i> Widdy Bank, Teesdale, Durham..	1844	J. Backhouse, Jr.	S. Hailstone
Widdy Bank, „	1844	J. Backhouse, Jr.	H. J. Wilkinson

**219. *Arenaria tenuifolia*,
Linn.**

Sandy fields, &c., York, southward.

Distrib. Europe, N. Africa, Siberia,
W. Asia.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Mildenhall, Suffolk	1800	Rev. J. Dalton	Rev. J. Dalton
Copgrove, Yorks.	1790	"	"
Chichester (Sussex)	1820	"	"
Gog Magog Hills, Cambs. ..	1830	Prof. Henslow	Rev. J. Dalton

**220. *Arenaria trinervia*,
Linn.**

*Hedgebanks, moist places, &c., Shetland,
Channel Islands.*

Distrib. Europe (Arctic), Canaries, and
W. Asia.

<i>Sp.</i> Croft, Yorkshire	1809	Rev. J. Dalton	Rev. J. Dalton
Poppleton, York	1883	H. J. Wilkinson	H. J. Wilkinson
Stittenham Woods, near Flaxton, Yorkshire	1843	H. Ibbotson	H. J. Wilkinson
Copgrove, Yorkshire	1790	Rev. J. Dalton	Rev. J. Dalton
In the Hedgebank in Horton lane above White's House (near Bradford, Yorkshire)	1807	S. Hailstone	S. Hailstone

**221. *Arenaria serpyllifolia*,
Linn.**

*Wall tops and dry banks, Orkneys, Channel
Islands.*

Distrib. Europe (Arctic), N. Africa, and
N. and W. Asia.

<i>Sp.</i> Copgrove, Yorks.	1790	Rev. J. Dalton	Rev. J. Dalton
Poppleton, near York	1820	W. Middleton	W. Middleton
Poppleton, near York	1883	H. J. Wilkinson	H. J. Wilkinson
Thorparch, Yorkshire	1830	S. Hailstone	S. Hailstone
Brafferton, ,, ...	1834	Rev. W. Gray	H. J. Wilkinson

**222. *Arenaria norvegica*,
Gunn.**

Shetlands and Orkney.

Distrib. Arctic and Alpine Europe, E.
to Crete.

<i>Sp.</i> Unst, Shetland.	1841	T. Edmondston, jr.	S. Hailstone
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	DATE.	COLLECTOR.	HERBARIUM.
223. Arenaria gothica, Fries			
<i>Habitat.</i> Trackways, hollows and hillocks on the Mountain Limestone between Ribbleshead and Clapham, Yorkshire.			
<i>Sp.</i> Ribbleshead Railway Station ..	Feb 11, 1890	Miss F. P. Thompson	W. Whitwell FLS
Fontgreen; Sulber Nick; Selside ..	1891-95	Lister Rotheray	"
224. Arenaria peploides, Linn.			
<i>Sandy and pebbly shores, Shetland, Channel Islands.</i>			
<i>Distrib.</i> W. Europe from the Arctic regions.			
<i>Sp.</i> Tunstall, Withernsea, E. Yorks. ..	1883	H. J. Wilkinson	H. J. Wilkinson
Redcar, N.E. Yorkshire	1806	Rev. J. Dalton	Rev. J. Dalton
Blackpool, Lancashire	1801	S. Hailstone	S. Hailstone
Sea-shore, Whitby, Yorkshire ..	1843	H. Ibbotson	H. J. Wilkinson
Coatham, N.E. Yorkshire ..	1799	S. Hailstone	S. Hailstone
225. Arenaria sedoides, Froel.			
<i>Scotch Mountains.</i>			
<i>Distrib.</i> Alps of Central and S. Europe.			
<i>Sp.</i> Ben Lawers, Perthshire	1809	Rev. J. Dalton	Rev. J. Dalton
Ben Lomond, Stirlingshire	1809	Rev. J. Dalton	Rev. J. Dalton
Ben Lawers, Perthshire	1810	W. Middleton	W. Middleton
Ben Lawers, ,, ...	1850	H. Ibbotson	H. J. Wilkinson
226. Sagina apetala, Linn.			
<i>Pearlwort. Dry banks, Forfar and southward.</i>			
<i>Distrib.</i> Europe, N. Africa. W. Asia.			
<i>Sp.</i> Isle of Man.	1841	S. Hailstone	S. Hailstone
Copgrove, Yorkshire	1790	Rev. J. Dalton	Rev. J. Dalton
York	1820	W. Middleton	W. Middleton
227. Sagina procumbens, Linn.			
<i>Waste places, &c., Shetland, Channel Islands.</i>			
<i>Distrib.</i> Europe (Arctic), N. Africa			
<i>Sp.</i> Ripon and York	1820	Rev. J. Dalton	Rev. J. Dalton

228. *Sagina Linnæi*, Presl.*Alps of Perth, Forfar, Sutherland.**Distrib.* Arctic and Alpine Europe.*Sp.* Rocks, East side of Mael, Ghyrddy,

Breadalbane Mts. . . .

July 1790

G. Don

Rev. J. Dalton

Clova Mountains, Forfar

1830

Dr. R. K. Greville

Rev. J. Dalton

Aberdeen

1842

Dr. Balfour

S. Hailstone

229. *Sagina subulata*, Presl.*Heaths, dry pastures, Caithness, Channel Islands.**Distrib.* M. and W. Europe.*Sp.* Near London, &c.

(1810)

Rev. J. Dalton

Rev. J. Dalton

Isle of Mull

(1809)

W. Middleton

W. Middleton

Clova Mountains, Forfar

1846

Dr. Balfour

S. Hailstone

Isle of Mull

(1820)

Rev. J. Dalton

Rev. J. Dalton

230. *Sagina nodosa*, Fenzl.*Moist heaths and sandy places, Shetland to Channel Islands.**Distrib.* Europe (Arctic), N. Africa.*Sp.* Malham and Gordale, W. Yorks.

1801

S. Hailstone

S. Hailstone

Bramham Moor, on the left, about
a mile from Carr's Inn (Yorks.)

1801

S. Hailstone

S. Hailstone

Coppgrove, Yorkshire

1790

Rev. J. Dalton

Rev. J. Dalton

York

1820

W. Middleton

W. Middleton

Sessay Common, York

1834

Rev. W. Gray

H. J. Wilkinson

Redcar, Yorks.

1809

Rev. J. Dalton

Rev. J. Dalton

Coatham, „

1799

S. Hailstone

S. Hailstone

Knavesmire, York

1801

S. Hailstone

S. Hailstone

231. *Spergula arvensis*, Linn*Distrib.* Europe, N. Africa, W. Asia.*Sp.* Coppgrove, Yorkshire

1790

Rev. J. Dalton

Rev. J. Dalton

Sunderland (sub nom. *S. pentandra*)

1810

J. Backhouse

S. Hailstone

Thorparch, Yorkshire

1830

S. Hailstone

S. Hailstone

232. *Spergularia rubra*, Pers.

Gravelly and sandy soils, Ross, southward.

Distrib. Europe, N. & S. Africa, N. & W. Asia.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Copgrove, Yorkshire . . .	1790	Rev. J. Dalton	Rev J. Dalton
Croft, Yorkshire	1820	"	"
Cambridge	1788	"	"
Horton, Bradford, Yorkshire ..	1830	S. Hailstone	S. Hailstone
Strensall, York	1820	W. Middleton	W. Middleton
Near Wakefield	1810	S. Hailstone	S. Hailstone
Strensall, York	1883	H. J. Wilkinson	H. J. Wilkinson

233. *Spergularia salina*, Presl.

Muddy and rocky shores by the sea,
Shetland to Channel Islands.

Distrib. Europe, N. & W. Asia, N. & S. Africa.

<i>Sp.</i> Coatham, Yorkshire	1835	Rev. W. Gray	H. J. Wilkinson
Scarborough, ...	1820	W. Middleton	W. Middleton

234. *Buda media*, Dum.

Spergularia Media, Pers.

Distrib. Europe, N. & W. Asia, N. & S. Africa, America and Australia.

<i>Sp.</i> (Sub nom. <i>Arenaria marina</i> , <i>Arenaria marginata</i> D.C., <i>Lepigonum salinum</i>)			
Redcar, Yorkshire	1806	Rev. J. Dalton	Rev. J. Dalton
Coatham, ...	1799	S. Hailstone	S. Hailstone
Esk bank, Whitby, Yorkshire ..	1843	H. Ibbotson	H. J. Wilkinson

**235. *Spergularia rupestris*,
Lebel.**

Rocky places near the sea from Ross
southward.

Distrib. France, Spain, Italy, &c.

Sp. Walls of Peel Castle, I.O.M. ..
(sub nom. *Arenaria marina*).

DATE.

COLLECTOR.

HERBARIUM.

June 24,
1841

S. Hailstone

S. Hailstone

**236. *Polycarpon*
tetraphyllum, Linn.**

Sandy places, Channel Islands, Cornwall,
&c.

Distrib. Europe, Asia, Africa.

Sp. Guernsey
St. Peter's, Guernsey

(1830)

Dr. Bromfield

S. Hailstone

(1840)

S. Hailstone, Jr.

S. Hailstone

CATALOGUE
OF
BRITISH PLANTS IN THE HERBARIUM
OF THE
YORKSHIRE PHILOSOPHICAL SOCIETY.

PART IV.

COMPILED BY
HENRY J. WILKINSON,
Hon. Curator, Botany.

CATALOGUE OF BRITISH PLANTS IN THE HERBARIUM

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PART IV.

Compiled by HENRY J. WILKINSON, *Hon. Curator, Botany.*

PORTULACÆ.

	DATE.	COLLECTOR.	HERBARIUM.
237. Claytonia perfoliata, Linn			
<i>Alien. Distrib.</i> N.W. America.			
<i>Sp.</i> Moortown, near Leeds	Aug. 7, 1882	W. Kirkby	H. J. Wilkinson
Hedge bank, nr. Hanworth, Middlesex	May, 1897	H. W. Pugsley	„
238. Montia fontana, Linn.			
<i>Springs and marshy places.</i> Shetland to Channel Islands.			
<i>Distrib.</i> N. and S. Temperate, Arctic and cold regions.			
<i>Sp.</i> Strensall Common, York	1882	H. J. Wilkinson	H. J. Wilkinson

TAMARISCINÆ.

239. Tamarix gallica, Linn.			
<i>Alien.</i> Southern coast England and Ireland.			
<i>Distrib.</i> Shores of Atlantic and Mediterranean, W. Asia to N.W. India.			
<i>Sp.</i> Hastings, Sussex	1801	Dr. Goodenough	Rev. J. Dalton
Planted round the garden of a house upon or near the South Denes (called 'Trafalgar House'), Yarmouth	1843	S. Hailstone	S. Hailstone
Near Whitegate, co. Cork	Sept., 1894	R. A. Phillips	H. J. Wilkinson

ELATINEÆ.

	DATE.	COLLECTOR.	HERBARIUM.
240. <i>Elatine hexandra</i>, D.C.			
<i>Margins of ponds, etc.</i> Rare. Perth to Surrey and Cornwall.			
<i>Distrib.</i> Europe, from Norway southward to Spain.			
<i>Sp.</i> Shropshire	(1799)	R. Teesdale	Rev. J. Dalton
Anglesea	1800	Rev. J. Dalton	„
Bomere Pool, Salop	1845	Mr. Westcombe	S. Hailstone
„ „	1814	Rev. E. Williams	„
241. <i>Elatine hydropiper</i>, Linn.			
<i>Muddy ponds.</i> Surrey, Anglesea, Ireland.			
<i>Distrib.</i> Europe to S. Russia.			
<i>Sp.</i> In the Lagan Canal, near its junction with Lough Neagh	1837	D. Moore	S. Hailstone
Anglesea	(1800)	Rev. J. Dalton	Rev. J. Dalton

HYPERICINEÆ.

242. <i>Hypericum Androsæ-</i> <i>mum</i>, Linn.				
Tustan. <i>Thickets and hedges</i> . From Ross, southward.				
<i>Distrib.</i> M. and S. Europe, N. Africa, W. Asia.				
<i>Sp.</i>	Halifax, Yorkshire	(1790)	Mr. Robson.	S. Hailstone
	Inversnaid Mill, Loch Lomond ...	July, 1829	S. Hailstone	„
	Ruswarp Carrs, near Whitby ...	1801	W. Brunton	Rev. J. Dalton
	Tunbridge Wells	} (1820)	W. Middleton	W. Middleton
	Ruswarp Carrs, Whitby, Yorks. ...			
243. <i>Hypericum hircinum</i>, Linn.				
<i>Alien.</i>				
<i>Sp.</i>	Glanmire, co. Cork	Aug., 1891	R. A. Phillips	H. J. Wilkinson

	DATE.	COLLECTOR.	HERBARIUM.
244. <i>Hypericum elatum</i>, Ait.			
<i>Alien.</i>			
<i>Sp.</i> Uckfield, Sussex	1894	E. H. Farr	H. J. Wilkinson
245. <i>Hypericum perforatum</i>, Linn.			
<i>St. John's Wort. Woods and hedge banks.</i>			
<i>Channel Islands to Southerland.</i>			
<i>Distrib.</i> Europe (Arctic), North Africa, N.W. Asia.			
<i>Sp.</i> Copgrove, Knaresbrough, Yorks. ...	1790	Rev. J. Dalton	Rev. J. Dalton
Baildon Woods	1800	S. Hailstone	S. Hailstone
Ambleside	1820	"	"
246. <i>Hypericum quadrangulum</i>, Linn. (Exp.) Fr.			
<i>Copses and moist places. Perth, southward.</i>			
<i>Distrib.</i> Europe (Arctic), N. Africa, N.W. Asia.			
<i>Sp.</i> Askham Bogs, York	1800	S. Hailstone	S. Hailstone
Northwood, Renishan, Derby ...	1812	Miss Stovin (?)	"
247. <i>Hypericum quadratum</i> (Stokes).			
<i>Wet places. Ross, southward.</i>			
<i>Distrib.</i> Europe, N. Africa.			
<i>Sp.</i> Copgrove, nr. Knaresbrough, Yorks.	1790	J. Dalton	Rev. J. Dalton
Goathland, Yorks., Terrington Carr, N. Yorks.	1820	W. Middleton	W. Middleton
248. <i>Hypericum humifusum</i>, Linn.			
<i>Sandy and gravelly banks. Caithness to Cornwall.</i>			
<i>Distrib.</i> Europe, etc.			
<i>Sp.</i> Strensall, York	1810	W. Middleton	W. Middleton
Thorp Arch	1840	S. Hailstone	S. Hailstone

**249. *Hypericum pulchrum*,
Linn.**

Dry heaths and banks. Caithness to Cornwall.

Distrib. W. Europe, from Norway, southward.

<i>Sp.</i> Ripon	...	...	...	...	1800	J. Dalton	Rev. J. Dalton
Thorp Arch	...	...	...	...	1840	S. Hailstone	S. Hailstone

**250. *Hypericum hirsutum*,
Linn.**

Copses, etc. From Ross, southward.

Distrib. Europe, Siberia, W. Asia.

<i>Sp.</i> Richmond, Yorks.	...	...	...	...	1800	J. Dalton	Rev. J. Dalton
Knareborough, Yorks.	..	...	...	...	1820	W. Middleton	W. Middleton
In the lane near Trench	...	...	...	...	1799	S. Hailstone	S. Hailstone
Bramham, Yorks.	...	...	...	...	1801	"	"
Wilton, Yorks.	...	...	...	...	1822	"	"

251. *Hypericum montanum*, Linn.

Copses, in gravelly or chalky soil. From Ayr to Cornwall.

Distrib. Europe to the Caucasus, N. Africa.

<i>Sp.</i> In the lanes near Thorner and Bramham, Yorks.	...	...	...	...	1801	S. Hailstone	S. Hailstone
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**252. *Hypericum elodes*,
Huds.**

Bogs, etc. From Argyle, southward.

Distrib. W. Europe, from Holland.

<i>Sp.</i> Langwith and Heslington, York	...	...	...	...	1810	W. Middleton	W. Middleton
Knareborough, Yorks.	...	...	...	...	1790	J. Dalton	Rev. J. Dalton
Hawsworth Moor	...	...	...	...	1844	Mr. Birkbeck	S. Hailstone
Delamere Forest, Cheshire	...	...	...	...	1807	S. Hailstone	"
Skipwith Common, York	...	...	...	...	1840	H. Ibbotson	H. J. Wilkinson
"	"	...	...	...	1897	H. J. Wilkinson	"
Strensall Common, York	...	...	...	...	1840	H. Baines	"

MALVACEÆ.

	DATE.	COLLECTOR.	HERBARIUM.
253. <i>Althæa officinalis</i>, Linn.			
Marsh Mallow. <i>Marshes near the sea.</i>			
From Clyde, southward.			
<i>Distrib.</i> Europe, from Denmark, southward.			
<i>Sp.</i> Near Arundel Castle	1810	W. Middleton	W. Middleton
Dimchurch, Kent	1847	Mrs. J. Hailstone	S. Hailstone
Ditches below Burgh Castle, Yar-			
mouth	1843	S. Hailstone	S. Hailstone
254. <i>Althæa hirsuta</i>, Linn.			
<i>Alien.</i> South of England.			
<i>Distrib.</i> Europe, from Belgium, southward.			
<i>Sp.</i> Between Cobham and Cuxton, Kent	(1826)	Prof. Henslow	Rev. J. Dalton
Cobham, Kent	1840	Mr. Dennes	S. Hailstone
255. <i>Lavatera arborea</i>, Linn.			
<i>Maritime rocks.</i> From Clyde, southward.			
<i>Distrib.</i> Coasts of Europe, eastwards			
to Greece.			
<i>Sp.</i> Near Dublin, Ireland	1837	Laing	S. Hailstone
Inch Garvey, Firth of Forth, Scot-			
land	1810	J. Dalton	Rev. J. Dalton
Near Fort Carlisle, Cork Harbour ...	1894	R. A. Phillips	H. J. Wilkinson
256. <i>Malva sylvestris</i>, Linn.			
<i>Waste places.</i> From Ross, southward.			
<i>Distrib.</i> Europe, N. Africa, Siberia.			
<i>Sp.</i> Heslington, York... ..	1810	W. Middleton	W. Middleton
Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
257. <i>Malva rotundifolia</i>, Linn.			
<i>Waste places.</i> From Aberdeen, southward.			
<i>Distrib.</i> Europe, N. Africa, N. and W. Asia.			
<i>Sp.</i> Copgrove, Knaresborough, Yorks ...	1790	J. Dalton	Rev. J. Dalton
Bradford, Yorkshire	1810	S. Hailstone	S. Hailstone

258. Malva moschata, Linn.	DATE.	COLLECTOR.	HERBARIUM.
<i>Meadows, etc.</i> From Clyde, southward.			
<i>Distrib.</i> Europe.			
<i>Sp.</i> Between Rye and Hastings... ..	1810	W. Middleton	W. Middleton
Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Apperley and Bradford, Yorks. ...	1810	S. Hailstone	S. Hailstone

TILIACEÆ.

259. Tilia platyphyllos, Scop.			
Lime tree or Linden. <i>Woods, etc.</i> Hereford, N.W. Yorks.			
<i>Distrib.</i> Europe, from Denmark, southward.			
<i>Sp.</i> Boxhill, Surrey	(1810)	J. Dalton	Rev. J. Dalton
Esher, Surrey	1843	H. C. Watson	S. Hailstone
Near Edinburgh	1820	R. K. Greville	Rev. J. Dalton
260. Tilia vulgaris, Hayne.			
<i>Alien.</i>			
<i>Sp.</i> Clifton, York	1890	A. Wilkinson	H. J. Wilkinson
261. Tilia parvifolia, Ehrh.			
<i>Woods.</i> From Cumberland, southward.			
<i>Distrib.</i> Europe (excl. Greece and Turkey).			
<i>Sp.</i> Little Malvern, Worcester	1847	M. Roby	S. Hailstone
Swansea, Glamorgan	(1820)	J. Dalton	Rev. J. Dalton

LINEÆ.

262. Linum catharticum, Linn.			
<i>Heaths, etc.</i> From Shetland to Cornwall, &c.			
<i>Distrib.</i> Europe (Arctic), W. Asia.			
<i>Sp.</i> Boston Spa, Yorks.	1820	S. Hailstone	S. Hailstone
Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton

	DATE.	COLLECTOR.	HERBARIUM.
263. <i>Linum perenne</i>, Linn.			
<i>Chalky soils. Durham to Essex.</i>			
<i>Distrib. M. and S. Europe to India.</i>			
<i>Sp.</i> Mackershaw Woods, Ripon... ..	1805	W. Brunton	Rev. J. Dalton
Gog Magog Hills, Camb.	1820	S. Hailstone	S. Hailstone
264. <i>Linum angustifolium</i>, Huds.			
<i>Sandy or limestone pastures. Lancashire, southward.</i>			
<i>Distrib. W. and S. Europe to W. Asia.</i>			
<i>Sp.</i> Cliffs near Margate	1810	W. Middleton	W. Middleton
Claygate, Surrey	1843	H. C. Watson	S. Hailstone
Queenstown, co. Cork	1894	R. A. Phillips	H. J. Wilkinson
265. <i>Linum usitatissimum</i>, Linn.			
<i>Alien. Common flax.</i>			
<i>Sp.</i> Copgrove, Knaresbrough, Yorks. ...	1790	J. Dalton	Rev. J. Dalton
Heslington fields, York	1801	S. Hailstone	S. Hailstone
Bowling Lane, Bradford, Yorks. ...	1809	"	"
266. <i>Radiola linoides</i>, Gmel.			
<i>Damp sandy places. From Orkneys to Cornwall.</i>			
<i>Distrib. Europe (excl. Central), N. Africa.</i>			
<i>Sp.</i> Langford Moor, Newark, Notts. ...	(1820)	W. Middleton	W. Middleton
Milthorpe and Bradford Moor, Yorks.	1810	S. Hailstone	S. Hailstone
Strensall Common, York	1882	H. J. Wilkinson	H. J. Wilkinson

GERANIACEÆ.

267. <i>Geranium sanguineum</i>, Linn.			
<i>Rocky places or limestone, and sandy shores.</i>			
<i>From Ross, southward.</i>			
<i>Distrib. Europe, W. Asia.</i>			
<i>Sp.</i> Hartlepool	1796	J. Dalton	Rev. J. Dalton
Hildenley Wood, Malton, Yorks. ...	(1800)	W. Middleton	W. Middleton
Hartlepool	1799	S. Hailstone	S. Hailstone
Gordale, Yorks.	1801	"	"
Thorp Arch Woods, Yorks.	1832	"	"
Fleetwood, Lanc.	July 22, 1842	"	"

	DATE.	COLLECTOR.	HERBARIUM.
268. <i>Geranium phæum</i>, Linn.			
<i>Alien.</i>			
<i>Sp.</i> Near Richmond, Yorks.	1796	J. Dalton	Rev. J. Dalton
Beckfoot Lane, Bingley, Yorks. ...	1800	S. Hailstone	S. Hailstone
Near Settle	(1840)	J. Tatham	„
269. <i>Geranium sylvaticum</i>, Linn.			
<i>Copses, meadows, etc.</i> Stafford to Caithness.			
<i>Distrib.</i> Europe (Arctic), W. Asia.			
<i>Sp.</i> Woods going to the Strid, at Bolton, Yorks.	1799	S. Hailstone	S. Hailstone
Malham Tarn, Yorks.	1808	„	„
Middleton-in-Teesdale	1824	„	„
Mulgrave Woods, N.E. Yorks ...	1824	W. Middleton	W. Middleton
Wensleydale	(1820)	„	„
270. <i>Geranium pratense</i>, Linn.			
Crane's-bill. <i>Meadows, etc.</i> Aberdeen, southward.			
<i>Distrib.</i> Europe (Arctic), Siberia.			
<i>Sp.</i> Clifton Ings, York	1840	O. A. Moore	Moore
Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
York... ..	1800	W. Middleton	W. Middleton
271. <i>Geranium pyrenai- cum</i>, Linn.			
<i>Meadows, etc.</i> From Perth, southward.			
<i>Distrib.</i> Europe, N. Africa, W. Asia.			
<i>Sp.</i> Tunbridge	1830	Prof. Henslow	Rev. J. Dalton
Battersca Fields	1800	J. Dalton	„
Kirkham, Yorks.	1810	W. Middleton	W. Middleton
Near the Thames, Chelsea	1810	„	„
272. <i>Geranium rotundi- folium</i>, Linn.			
<i>Waste places.</i> S. Wales, southward.			
<i>Distrib.</i> Europe, N. Africa, etc.			
<i>Sp.</i> St. Vincent's Rocks, Bristol ...	(1810)	W. Middleton	W. Middleton
Wick Lane, between Bristol and Brislington	1841	Miss Worsley.	S. Hailstone

	DATE.	COLLECTOR.	HERBARIUM.
273. <i>Geranium molle</i>, Linn.			
<i>Pastures, etc.</i> Shetlands to Cornwall.			
<i>Distrib.</i> Europe, N. Africa, etc.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Boston Spa	1820	S. Hailstone	S. Hailstone
274. <i>Geranium pusillum</i>, Linn.			
<i>Hedge banks, etc.</i> Aberdeen, southward.			
<i>Distrib.</i> Europe, N. Africa, etc.			
<i>Sp.</i> Battersea Fields	(1820)	W. Middleton	W. Middleton
Copgrove, Yorks. (sub. nom. <i>rotundifolium</i>)	1790	J. Dalton	Rev. J. Dalton
275. <i>Geranium dissectum</i>, Linn.			
<i>Waste places.</i> From Orkney, southward.			
<i>Distrib.</i> Europe, N. Africa, etc.			
<i>Sp.</i> Horton Lane, Bradford, Yorks. ...	1810	S. Hailstone	D. Hailstone
Ripon	1800	J. Dalton	Rev. J. Dalton
276. <i>Geranium columbinum</i>, Linn.			
<i>Dry copses, etc.</i> From Forfar, southward.			
<i>Sp.</i> Hildenley Woods, Malton, Yorks. ...	1820	W. Middleton	W. Middleton
Old Malton Mill, Yorks.	1820	"	"
Ripon	(1800)	J. Dalton	Rev. J. Dalton
Tarn Lane, Giggleswick, Yorks. ...	1840	J. Howson	S. Hailstone
Lane leading out of Clifford Lane to Chestnut Grove, Boston Spa ...	1840	S. Hailstone	"
277. <i>Geranium lucidum</i>, Linn.			
<i>Walls and dry banks.</i> From Orkney, southward.			
<i>Distrib.</i> Europe, N. Africa, etc.			
<i>Sp.</i> In Craven plentifully, upon the walls at Clarkhill, near Whalley ...	1807	S. Hailstone	S. Hailstone
Malham, Yorks.	1820	"	"
Richmond, Yorks.	1800	J. Dalton	Rev. J. Dalton
Fountains Abbey, Yorks.	1810	W. Middleton	W. Middleton
Glanmire, co. Cork	1895	R. A. Phillips	H. J. Wilkinson

	DATE.	COLLECTOR.	HERBARIUM.
278. Geranium Robertianum, Linn.			
<i>Waste places.</i> From Orkney, southward.			
<i>Distrib.</i> Europe (Arctic), N. Africa.			
<i>Sp.</i> York	1820	W. Middleton	W. Middleton
Copgrove, Knaresborough	1790	J. Dalton	Rev. J. Dalton
279. Erodium cicutarium, L'Herit.			
<i>Waste places.</i> Very common near the sea.			
<i>Distrib.</i> Europe, N. Africa, Siberia, W. Asia.			
<i>Sp.</i> Sea-shore, Coatham, N.E. Yorks. ...	1799	S. Hailstone	S. Hailstone
Thirsk, N. Yorks.	1806	"	"
Bootle, Lanc.	1805	"	"
Copgrove, Knaresboro', Yorks. ...	1790	J. Dalton	Rev. J. Dalton
280. Erodium moschatum, l'Herit.			
<i>Waste places.</i> Anglesea to Cornwall.			
<i>Distrib.</i> Europe, N. Africa, W. Asia.			
<i>Sp.</i> Near Aberystwith, Cardigan ...	(1810)	W. Middleton	W. Middleton
Do.	1820	J. Dalton	Rev. J. Dalton
281. Erodium maritimum, l'Herit.			
<i>Sandy places near the sea.</i> From Wigton, southward.			
<i>Distrib.</i> W. Europe, from France to Italy.			
<i>Sp.</i> From the beach near Aberystwith ...	1820	W. Middleton	W. Middleton
Dawlish, Devonshire	(1840)	Miss Stovin	S. Hailstone
Near Llanduduo	1884	H. Fisher	H. J. Wilkinson
282. Oxalis acetosella, Linn.			
<i>Woods and shady places.</i> Orkneys to Channel Islands.			
<i>Distrib.</i> Europe (Arctic), N. Africa, N.W. Asia.			
<i>Sp.</i> Copgrove, near Knaresborough ...	1790	J. Dalton	Rev. J. Dalton
York	1806	S. Hailstone	S. Hailstone
Langwith, near York	1840	O. A. Moore.	Moore

**283. *Oxalis corniculata*,
Linn.**

Waste shady places. (Alien.)

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Devonshire	(1840)	Dr. Emerson	S. Hailstone
Les Vaux, Jersey	1845	J. Dickson	„

284. *Oxalis stricta*, Linn.

(Alien.) Waste shady places.

<i>Sp.</i> Bideford, N. Devon... ..	1849	G. Maw.	S. Hailstone
Nocton, Lincolnshire	(1840)	Miss Stovin	„
Langeliffe, near Settle	1831	J. Tatham	„

**285. *Impatiens noli-me-
tangere*, Linn.**

Moist woods, etc., mountainous districts.

North Wales.

Distrib. Europe, Siberia, W. Asia.

<i>Sp.</i> Studley Woods and Fountains Abbey, Yorkshire	1790	R. Teesdale	Rev. J. Dalton
Studley Woods do.	(1800)	W. Brunton	„
Coniston Water	1804	S. Hailstone	S. Hailstone
Plentiful in the wood on the left of the footpath as you enter to go to Scale Force	Sept., 1836	S. Hailstone	„

ILICINEÆ.

286. *Ilex aquifolium*, Linn.

Holly. Copses and woods. From Caithness, southward.

Distrib. Europe, from S. Norway to Turkey,
W. Asia.

<i>Sp.</i> Copgrove, nr. Knaresborough, Yorks.	1790	J. Dalton	Rev. J. Dalton
Beckdale, Helmsley, Yorks. ...	1883	H. J. Wilkinson	H. J. Wilkinson

CELASTRINEÆ.

287. *Euonymus europæus*, Linn.

Spindle Tree. *Woods and hedges.* From
Roxburgh, southward.

Distrib. Europe to Caucasus, N. Africa,
etc.

Sp. Copgrove, nr. Knaresborough, Yorks. ...
Hedges between Tadcaster and York ...
Dodgesglen, Cork

DATE.	COLLECTOR.	HERBARIUM.
1790	J. Dalton	Rev. J. Dalton
1820	S. Hailstone	S. Hailstone
1895	R. A. Phillips	H. J. Wilkinson

288. *Staphylea pinnata*, Linn.

Alien.

Sp. From hedges, Pontefract, Yorks. ...
'Ex hort.' Hailstone MS. Cat, Yorks.

(1820)	W. Middleton	W. Middleton
"	"	"

RHAMNEÆ.

289. *Rhamnus catharticus*, Linn.

Buckthorn. *Woods and hedges.* From
Westmoreland, southward.

Distrib. Europe, N. Africa, Siberia.

Sp. Mackershaw Wood, near Ripon ...
Askham Bogs, York
Kelso, near Settle, Yorks.

1790	J. Dalton	Rev. J. Dalton
1810	W. Middleton	W. Middleton
1832	S. Hailstone	S. Hailstone

290. *Rhamnus frangula*, Linn.

Woods and hedges. From Ayr, southward.

Distrib. Europe, N. Africa, Siberia.

Sp. Askham Bogs, York
Langford Moor, Newark, Notts. ...
Skipwith, near Selby, Yorks.

1806	S. Hailstone	S. Hailstone
1820	W. Middleton	W. Middleton
1895	H. J. Wilkinson	H. J. Wilkinson

SAPINDACEÆ.

	DATE.	COLLECTOR.	HERBARIUM.
291. <i>Acer pseudo-platanus</i>, Linn.			
<i>Denizen.</i> Sycamore.			
<i>Sp.</i> Copgrove, nr. Knaresborough, Yorks.	1790	J. Dalton	Rev. J. Dalton
York	1806	S. Hailstone	S. Hailstone
292. <i>Acer campestre</i>, Linn.			
Small-leaved Maple. <i>Woods and hedges.</i>			
From Durham, southward.			
<i>Distrib.</i> Europe, from Denmark, southward, N.W. Asia.			
<i>Sp.</i> From Copgrove, near Knaresborough	1790	J. Dalton	Rev. J. Dalton
In the hedges about Bolton, near Bradford, Yorks.	1820	S. Hailstone	S. Hailstone



LEGUMINOSÆ.

293. *Genista anglica*, Linn.

Needle Furze. *Moist peaty heaths*,
from Ross southward.

Distrib. W. Europe, from Denmark to
France, &c.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Copgrove, nr. Boro'bridge, Yorks. ...	1790	J. Dalton	Rev. J. Dalton
Idle and Eccleshill Moors, W. Yorks. }	1824	S. Hailstone	S. Hailstone
Moor between Scarbro' and Whitby ,, }			
Strensall Common, York	1840	O. A. Moore	O. A. Moore
,, ,, ,, ...	1891	H. J. Wilkinson	H. J. Wilkinson
Skipwith Common, ,, ...	1883	,, ,,	,, ,,
Raskelf Common, ,, ...	1834	Rev. W. Gray	,, ,,

294. *Genista pilosa*, Linn.

Dry gravelly heaths. Suffolk and South
Wales, Cornwall, and Kent.

Distrib. From Gothland southward to
Greece, &c.

<i>Sp.</i> Lizard Point, Cornwall	1800	Sir T. G. Cullum	Rev. J. Dalton
,, ,, ,, ...	1838	Dr. Hooker	S. Hailstone
Bury, Suffolk	(1800)	Sir T. G. Cullum	Rev. J. Dalton

295. *Genista tinctoria*, Linn.

Dyers' greenweed. *Meadows and fields*,
from Wigton southward.

Distrib. From Gothland southward, N. and
W. Asia.

<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Burnley, Lancs.	1800	S. Hailstone	S. Hailstone
Between Bierley and the Low Moor, Yorks.	1810	,, ,,	,, ,,
Near Flaxton, York	1882	H. J. Wilkinson	H. J. Wilkinson

	DATE.	COLLECTOR.	HERBARIUM.
296. <i>Ulex europæus</i>, Linn.			
Gorse. <i>Heaths and waste ground,</i> Shetland to Channel Islands.			
<i>Sp.</i> Cambridge	1786	J. Dalton	Rev. J. Dalton
Bolton Woods and Thorparch, Yorks.	1820	S. Hailstone	S. Hailstone
Strensall Common, York	1888	H. J. Wilkinson	H. J. Wilkinson
297. <i>Ulex nanus</i>, Forster.			
<i>Heaths, &c.</i> South of England, &c.			
<i>Distrib.</i> Belgium and France.			
<i>Sp.</i> Wandsworth, Surrey	1820	W. Middleton	W. Middleton
298. <i>Cytisus scoparius</i>, Link			
Broom. <i>Dry hills and heaths,</i> Caithness southward.			
<i>Distrib.</i> Europe, N. Africa, W. Africa.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Bingley Wood, Yorks.	1824	S. Hailstone	S. Hailstone
Windhill Crag, „			
Myton, Boroughbridge, Yorks. ...	1835	Rev. W. Gray	H. J. Wilkinson
299. <i>Ononis spinosa</i>, Linn.			
Rest-Harrow. <i>Dry pastures and sandy</i> <i>places,</i> Forfar to Channel Islands.			
<i>Distrib.</i> Europe, W. Asia, N. Africa.			
<i>Sp.</i> Sands of Yarmouth, Norfolk	1843	S. Hailstone	S. Hailstone
300. <i>Ononis repens</i>, Linn.			
<i>Sp.</i> Baildon, Yorks.	(1840)	S. Hailstone	S. Hailstone
Bingley, „			
Copgrove, „	1790	J. Dalton	Rev. J. Dalton

301. Ononis reclinata, Linn.*Sea cliffs, Devon, Wigton, &c.**Distrib.* W. France, Spain, &c.*Sp.* Galloway, Wigton

DATE

COLLECTOR.

HERBARIUM.

1836

P. N. Fraser

S. Hailstone

302. Trigonella orthopodioides, D.C.*Dry gravelly places, from Fife southward.**Distrib.* W. Europe from Denmark to Italy.*Sp.* S. Vincent's Rocks, Bristol

1798

J. Dalton

Rev. J. Dalton

Yarmonth, Norfolk

1840

R. Leyland

S. Hailstone

303. Medicago sativa, Linn.*Lucerne. Hedges and fields (alien).**Distrib.* Europe, N. Africa, temp. Asia.*Sp.* Thorparch, Yorks.

1839

S. Hailstone

S. Hailstone

Devil's Ditch, Cambs.

1839

,,

,,

Trumpington, ,, ...

1843

,,

,,

Cliff, Sandgate, Kent

1843

Mrs. J. Hailstone

,,

By the River Tees, nr. Croft, Yorks...

(1830)

J. Dalton

Rev. J. Dalton

304. Medicago sylvestris, Fries.*Medick. Sandy and gravelly places,**Norfolk, Suffolk, Cambridge, &c.***305. Medicago falcata, Linn***Sandy and gravelly banks, S. E. of
England.**Distrib.* Europe, N. Asia, India.*Sp.* Chippenham Gravel Pits, Cambs.

1843

S. Hailstone

S. Hailstone

Wilbraham, Cambs.

1845

,,

,,

Bury, Suffolk

1800

Sir T. G. Cullum

Rev. J. Dalton

Norwich, Norfolk

1800

Dr. Smith

,,

{ Snailwell, Cambs.

1830

J. Dalton

,,

(Sub nom *M. sylvestris*.)

	DATE.	COLLECTOR.	HERBARIUM.
306. <i>Medicago lupulina</i>, Linn.			
<i>Waste places and fields, Shetland to Channel Islands.</i>			
<i>Distrib.</i> Europe, N. Africa, temp. Asia.			
<i>Sp.</i> Chippenham Gravel Pits, Cambs. ...	1843	S. Hailstone	S. Hailstone
Dullingham " " ...	1845	"	"
Copgrove, Yorks. 	1790	J. Dalton	Rev. J. Dalton
307. <i>Medicago denticulata</i>, Willd.			
<i>E. & S. Counties, from York to Cornwall.</i>			
<i>Distrib.</i> Mid. and S. Europe, N. Africa, and N. Asia.			
<i>Sp.</i> Sandgate, Kent 	1840	S. Hailstone	S. Hailstone
308. <i>Medicago maculata</i>, Sibth.			
<i>Pastures and hedgebanks, from Northumber- land southward.</i>			
<i>Distrib.</i> Europe, N. Africa, W. Asia.			
<i>Sp.</i> Westcliffe, Hastings	1839	S. Hailstone, junr	S. Hailstone
Sandgate, Kent 	1843	Mrs. J. Hailstone	"
Coggleshall, Essex	(1840)	T. B. Hall	"
Great Orme's Head, N. Wales ...	(1830)	J. Dalton	Rev. J. Dalton
Newark, Notts. 	1820	W. Middleton	W. Middleton
309. <i>Medicago minima</i>, Desr.			
<i>Sandy fields, in the Eastern Counties, Norfolk to Kent.</i>			
<i>Distrib.</i> From Denmark southward.			
<i>Sp.</i> Havergate, Suffolk	Aug 12, 1829	J. Dalton	Rev. J. Dalton
Landguard Fort, Suffolk	1829	Prof. Henslow	"
Mildenhall, Suffolk	1837	C. C. Babington	S. Hailstone
Also duplicates from H. C. Watson ...			
			"

	DATE.	COLLECTOR.	HERBARIUM.
310. Melilotus altissima, Thuill.			
Melilot. <i>Fields, &c.</i> , from Perth southward (alien).			
<i>Distrib.</i> Europe, E. & W. Asia, &c.			
<i>Sp.</i> Dullingham and Wilbraham Gravel Pits, Cambs.	1845	S. Hailstone	S. Hailstone
311. Melilotus alba, Desr.			
<i>Sp.</i> In an old quarry on the banks of the Canal four miles from Edinburgh...	1836	S. Hailstone	S. Hailstone
Hebburn Ballast Hills, Durham ...	1848	J. Storey	„
312. Trifolium subterraneum, Linn.			
<i>Dry gravelly pastures</i> , from Chester southward.			
<i>Distrib.</i> From Holland southward, N. Africa, W. Asia.			
<i>Sp.</i> Between Hastings and St. Leonard's, Sussex	1834	S. Hailstone	S. Hailstone
St. Alban's, Herts.	1829	J. Dalton	Rev. J. Dalton
Hampton Court, Middlesex	1840	R. Leyland	A. Walker
Near Brighton, Sussex	1820	W. Middleton	W. Middleton
Near Newark, Notts.	1892	H. J. Wilkinson	H. J. Wilkinson
313. Trifolium pratense, Linn.			
Red or purple clover. <i>Pastures</i> , Shetland to Channel Islands.			
<i>Distrib.</i> Europe (Arctic), N. and W. Asia.			
<i>Sp.</i> South Denes, Yarmouth, Norfolk ...	1843	S. Hailstone	S. Hailstone
Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton

	DATE.	COLLECTOR.	HERBARIUM.
314. <i>Trifolium medium</i>, Linn.			
<i>Pastures</i> , from Ross southward.			
<i>Distrib.</i> Europe (Arctic), N. and W. Asia.			
<i>Sp.</i> Allerton, nr. Bradford, Yorks. ...	1848	M. Birkbeck	S. Hailstone
Heslington Fields, York ...	1846	H. Baines	A. W. Walker
Copgrove, Yorks. ...	1790	J. Dalton	Rev. J. Dalton
315. <i>Trifolium ochroleucum</i> Linn.			
<i>Dry pastures</i> , in the Eastern Counties, Norfolk to Essex.			
<i>Distrib.</i> From Belgium southward.			
<i>Sp.</i> Lane between Cambridge and Grand- chester ...	1845	S. Hailstone	S. Hailstone
Shudy-Camps, Cambs. ...	1835	"	"
Wendens, Essex ...	1850	Rev. H. Marsham	"
Bungay, Suffolk ...	1830	J. Dalton	Rev. J. Dalton
316. <i>Trifolium maritimum</i>, Huds.			
<i>Salt marshes, &c.</i> , in the south and east.			
<i>Distrib.</i> W. and S. Europe, Holland to Spain, &c.			
<i>Sp.</i> Burnham, Somerset ...	(1840)	W. R. Crotch	S. Hailstone
Yarmouth, Norfolk ...	1830	J. Dalton	Rev. J. Dalton
Shoreham, Sussex ...	1845	E. Edwards	"
Near Bristol, (Somerset) ...	1842	Carpenter	S. Hailstone
317. <i>Trifolium incarnatum</i>, Linn.			
<i>Alien.</i>			
Field near Aberlady, Haddington, &c. ...	(1840)	Balfour	S. Hailstone
318. <i>Trifolium stellatum</i>, Linn.			
<i>Alien.</i>			
Shoreham, Sussex ...	1838	Hooker	S. Hailstone
Shoreham, Sussex ...	1820	W. Middleton	W. Middleton

319. *Trifolium arvense*, Linn

*Dry sandy fields, &c., from Ross
southward.*

Distrib. Europe, N. Africa, N. and W. Asia

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> On the shore, Coatham, N. E. Yorks.	1810	S. Hailstone	S. Hailstone
Heslington Fields, York	1804	"	"
South Denes, Yarmouth, Norfolk ...	1843	"	"

**320. *Trifolium striatum*,
Linn.**

Dry pastures, from Forfar southward.

Distrib. From Gothland southward, North
Africa.

<i>Sp.</i> Yarmouth, Norfolk	1843	G. Fitt	S. Hailstone
" " " " " " " " " "	1845	S. Gibson	A. W. Walker
Sandwich, Kent	(1820)	W. Middleton	W. Middleton
Isle of May, Fife	(1820)	J. Dalton	Rev. J. Dalton

**321. *Trifolium scabrum*,
Linn.**

Sandy and stony pastures.

Distrib. Belgium southward, W. Asia, N.
Africa.

<i>Sp.</i> Near Oldham, Lancs.		S. Hailstone	S. Hailstone
Wilbraham Pits, Cambs.	1848	J. Dalton	Rev. J. Dalton
Ellershaw Hill, Ripon, Yorks. ...	1800	W. Brunton	"

**322. *Trifolium glomeratum*
Linn.**

*Gravelly places, Norfolk and Kent to
Cornwall.*

Distrib. W. France, Spain, &c.

<i>Sp.</i> Bungay Common, Suffolk	1843	G. Fitt	S. Hailstone
" " " " " " " " " "	1843	D. Stock	"

	DATE.	COLLECTOR.	HERBARIUM.
323. <i>Trifolium suffocatum</i>, Linn.			
<i>Sandy seashores and pastures, Norfolk, Cornwall, and Anglesea.</i>			
<i>Distrib.</i> Mid-Europe and Mediterranean region.			
<i>Sp.</i> South Denes, Yarmouth, Norfolk ...	1843	G. Fitt	S. Hailstone
" " " ...	1843	S. Hailstone	"
Aldbrough, Suffolk ...	1810	J. Dalton	Rev. J. Dalton
Yarmouth, Norfolk ...	1800	Sir T. Gage	"
324. <i>Trifolium hybridum</i> var <i>elegans</i>, Savi.			
<i>Sp.</i> Claygate, Surrey ...	1847	H. C. Watson	S. Hailstone
325. <i>Trifolium repens</i>, Linn.			
White clover. <i>Pastures</i> , Shetland to Channel Islands.			
<i>Distrib.</i> Europe (Arctic), N. Africa, N. and W. Asia.			
<i>Sp.</i> Woolwich, Kent ...	(1840)	W. Jones	S. Hailstone
Copgrove, Yorks. ...	1790	J. Dalton	Rev. J. Dalton
326. <i>Trifolium fragiferum</i>, Linn.			
<i>Meadows, &c.</i> , Fife southward.			
<i>Distrib.</i> Europe, N. Africa, W. Asia.			
<i>Sp.</i> Near Tarlton Bridge ...	(1830)	S. Hailstone	S. Hailstone
Knavesmire, York ...	1810	"	"
Thorparch, Yorks. ...	1834	"	"
Bottisham, Cambs. ...	1839	"	"
Copgrove, Yorks. ...	(1800)	J. Dalton	Rev. J. Dalton
Claypool Mill, Newark, Notts. ...	(1820)	W. Middleton	W. Middleton

**327. *Trifolium procumbens*,
Linn.**

Dry pastures, from Ross southward.

Distrib. Europe, N. Africa, N. & W. Asia.

<i>Sp.</i> Seamer Quarries, Yorks.	(1840)
Westcliffe, Hastings	1834
Dullingham, Cambs.	1843
Copgrove, Yorks.	1790

DATE.

COLLECTOR.

HERBARIUM.

S. Hailstone

S. Hailstone

"

"

"

"

J. Dalton

Rev. J. Dalton

**328. *Trifolium dubium*,
Sibth.**

Dry pastures, roadsides, &c., Caithness
southward.

Distrib. Europe, N. Africa, &c.

<i>Sp.</i> Sub nom <i>T. minus</i> , from R. Teesdale, W. Brunton, &c.
--

None.

No locality.

S. Hailstone

**329. *Trifolium filiforme*,
Linn.**

Dry pastures near the sea, from Roxburgh
southward.

Distrib. Europe to the Caucasus.

<i>Sp.</i> South Denes, Yarmouth	1843
---	------

S. Hailstone

**330. *Anthyllis vulneraria*,
Linn.**

Kidney-Vetch. *Dry pastures, banks, &c.*,
Shetland to Channel Islands.

Distrib. Europe (Arctic), N. Africa, N. and
W. Asia.

<i>Sp.</i> Malham, Yorks.	(1840)
Thorparch, ,, ...	(1840)
Copgrove, ,, ...	1790
Strensall, York	1820

S. Hailstone

S. Hailstone

"

"

J. Dalton

Rev. J. Dalton

W. Middleton

W. Middleton

331. *Lotus corniculatus*, Linn.

Bird's-foot Trefoil. *Pastures and waste places*, Shetland to Channel Islands.

Distrib. Europe (Arctic), N. Africa, N. and W. India.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Thorparch, Yorks.	1840	S. Hailstone	S. Hailstone
Pilmoor, ,, ...	1834	Rev. W. Gray	H. J. Wilkinson
Copgrove, ,, ...	1790	J. Dalton	Rev. J. Dalton

332. *Lotus tenuis*, Waldst & Kit.

Damp meadows and banks, from Forfar southward.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Boston, near Thorparch, Yorks. ...	1831	S. Hailstone	S. Hailstone

333. *Lotus pilosus*, Beeke.

Moist meadows, &c., Banff southward.

Distrib. Europe, W. Asia, N. Africa.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> My field in Horton Lane, Bradford, Yorks.	1828	S. Hailstone	S. Hailstone
Seamer Mere, Scarbro', Yorks. ...)		"	"
Brafferton, Yorks.	1834	Rev. W. Gray	H. J. Wilkinson

334. *Lotus angustissimus*, Linn.

Dry banks by the sea, from Kent to Cornwall.

Distrib. S.W. France, Spain, W. Asia.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Castle Hill, Hastings, Sussex ...	(1830)	Dr. Wm. Harewood	S. Hailstone
Penzance, Cornwall	1820	J. Dalton	Rev. J. Dalton
Hastings, Sussex	1800	Dawson Turner	"

335. *Astragalus alpinus*, Linn.

Aberdeen and Forfar.

Distrib. Arctic and Alpine Europe, N. Asia, W. Tibet, N. America.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Clova Mts., Forfarshire	1837	Dr. Balfour	S. Hailstone
Highlands of Scotland	1844	H. C. Watson	"

336. *Astragalus hypoglottis* Linn.

Gravelly and chalky places, from Sutherland to Essex and Wilts.

Distrib. Arctic and Alpine Europe, N. Asia, N. America.

Sp. By the side of the road between Thorp-arch and Collingham, Yorks. ... 1830

Upon the coast near Preston Pans, Haddingtonshire ... (1820)

Aberford, Yorks. ... 1806

Near Malton, Yorks. ... 1796

DATE.

COLLECTOR.

HERBARIUM.

S. Hailstone

S. Hailstone

Mr. Gough

,,

W. Middleton

W. Middleton

R. Teesdale

Rev. J. Dalton

337. *Astragalus glycyphyllos*, Linn.

Wild Liquorice. Thickets on chalky and gravelly places, Ross southward.

Distrib. Europe, N. Asia.

Sp. Near Ripon, Yorks. ... 1800

Near Scarbro', ,, ... 1813

Chalk Pit close to Cherry Hinton, Cambs. ... 1843

Sleningford, Yorks. ... 1800

W. Brunton

S. Hailstone

S. Hailstone

,,

,,

,,

J. Dalton

Rev. J. Dalton

338. *Oxytropis uralensis*, D.C.

Rocky pastures, from Wigton to Caithness.

Distrib. Arctic and sub-Alpine Europe, N. Asia, N. America.

Sp. North Queen's Ferry, Fifeshire ... (1830)

Coast of Fife ... 1826

MacLagan

S. Hailstone

J. Dalton

Rev. J. Dalton

339. *Oxytropis campestris*, D.C.

Alpine rocks, Clova Mountains.

Distrib. Arctic and Alpine Europe, Siberia, N. America.

Clova Mts., Forfar ... 1800

,, ,, ... 1830

J. Dalton

Rev. J. Dalton

S. Hailstone

S. Hailstone

340. Ornithopus perpusillus
Linn.

Sandy and gravelly places, from Moray southward.

Distrib. Europe, N. Africa.

<i>Sp.</i> Castle Hill, Hastings, Sussex	...	1884	S. Hailstone	S. Hailstone
Ripon, Yorks.		1800	J. Dalton	Rev. J. Dalton
Hutton Moor (Ripon), Yorks.	...	1808	W. Brunton	"

341. Ornithopus ebracteatus
Brot.

Sandy places, Scilly and Channel Islands.

Distrib. W. Mediterranean region, Azores.

<i>Sp. Ex hort</i>			H. C. Watson	S. Hailstone
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342. Hippocrepis comosa,
Linn.

Horseshoe Vetch. Dry calcareous banks, Ayr to Devon.

Distrib. W. and S. Europe, N. Africa.

<i>Sp.</i> Malham, Yorks.		1880	S. Hailstone	S. Hailstone
Cronkley Fell, Yorks.		1820	"	"

343. Onobrychis sativa, Lam

Chalky and gravelly soils (a doubtful native).

<i>Sp.</i> Near the Turnpike, Bramham Moor				
Pontefract, Yorks.		1889	S. Hailstone	S. Hailstone
Devil's Ditch, Cambs.		1889	"	"

344. Vicia hirsuta, Koch.

Vetch. Hedges and waste places, Caithness southward.

<i>Sp.</i> Kirkstall Abbey, Yorks.		1880	S. Hailstone	S. Hailstone
Copgrove, Yorks.		1790	J. Dalton	Rev. J. Dalton
Heslington Fields, York		1800	W. Middleton	W. Middleton

345. *Vicia tetrasperma*, Moench.

Hedges and cornfields, from Forfar
southward.

Distrib. Europe, N. Africa, W. Asia, &c.

<i>Sp.</i> Near Kirklees, Yorks.	1830	Mr. Hustler	S. Hailstone
Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Heslington Fields, York	1800	W. Middleton	W. Middleton

346. *Vicia cracca*, Linn.

Hedges, fields, &c., Shetlands to Channel
Islands.

Distrib. Europe (Arctic), N. Africa, N. and
W. Asia.

<i>Sp.</i> Heslington Fields, York	1810	S. Hailstone	S. Hailstone
Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton

347. *Vicia orobus*, D.C.

Rocky Woods in the west, from Skye and
Forfar to Cornwall and Hants.

Distrib. Norway, S. France, &c.

<i>Sp.</i> Crossfell, Westmoreland	(1800)	Rev. J. Harriman	Rev. J. Dalton
Banks of the Isla, Forfarsh.	1810	J. Dalton	,,
Also near the old castle of Airley, Forfarsh.			

348. *Vicia sylvatica*, Linn.

Rocky woods, from Caithness southward.

Distrib. Europe (Arctic), N. Asia.

<i>Sp.</i> Wood near Hutton Moor, W. Yorks....	1790	J. Dalton	Rev. J. Dalton
Chapman's Pasture, Scarbro', Yorks....	1813	S. Hailstone	S. Hailstone
Cloughton Wyke, Forge Valley, Scar- bro', Yorks.			

349. *Vicia sepium*, Linn.

Hedges and copses, from Channel Islands
to Orkney.

Distrib. Europe (Arctic), N. and W. Asia.

<i>Sp.</i> Bottisham, Cambs.	1830	S. Hailstone	S. Hailstone
Copgrove, Yorks.	1790	Rev. J. Dalton	Rev. J. Dalton

350. *Vicia lutea*, Linn.

*Rocky and pebbly places near the sea,
Forfar southward.*

Distrib. From Holland southward.

<i>Sp.</i> Shoreham Harbour, Sussex	(1880)	S. Bromfield	S. Hailstone
Shoreham, Sussex	1820	W. Middleton	W. Middleton

351. *Vicia sativa*, Linn.

Hedges and roadsides (a casual).

<i>Sp.</i> Shipley Moor (near Maud's Stable), Yorks.	1805	S. Hailstone	S. Hailstone
Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton

352. *Vicia angustifolia*, Roth

Dry places, from Aberdeen southward.

Distrib. Europe, N. Africa, N. and W. Asia.

<i>Sp.</i> Fields at Hastings, Sussex	1884	S. Hailstone	S. Hailstone
Henfield, Sussex	(1820)	Borrer	Rev. J. Dalton

353. *Vicia lathyroides*, Linn.

Dry gravelly places, from Ross southward.

Distrib. Europe, N. Africa, and W. Asia.

<i>Sp.</i> Acomb, York	1822	J. Backhouse	S. Hailstone
Acomb and Poppleton, York	1883	H. J. Wilkinson	H. J. Wilkinson

354. *Vicia bithynica*, Linn.

*Bushy places near the sea, from Flint
and York, to Kent and Devon.*

Distrib. W. and S. Europe, Asia Minor,
N. Africa.

<i>Sp.</i> Near Whitby, Yorks.	1820	W. Middleton	W. Middleton
Near Brighton, Sussex	(1820)	"	"
Lyme (<i>Regis</i>), Dorsetshire	1805	Rev. —. Brooke	S. Hailstone

355. Lathyrus Aphaca, Linn.

Cornfields, from Warwick and Norfolk
to Kent and Devon.

Distrib. From Denmark southward, North
Africa, W. Asia.

<i>Sp.</i> Shorne, Kent	(1820)	W. Middleton	W. Middleton
Monckton, near Ripon, Yorks. ...	1800	W. Brunton	Rev. J. Dalton

356. Lathyrus Nissolia, Linn.

Grassy bushy places, from Cheshire
southward.

Distrib. From Holland southward, W. Asia.

<i>Sp.</i> Claygate, Surrey	1843	H. C. Watson	S. Hailstone
Bungay, Suffolk	(1820)	J. Dalton	Rev. J. Dalton
Hurstpierpoint, Sussex			
Newark, Notts.	1820	W. Middleton	W. Middleton

357. Lathyrus hirsutus, Linn

Fields, Kent, Surrey &c. (a colonist,
Watson).

Essex	(1820)	J. Dalton	Rev. J. Dalton
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**358. Lathyrus pratensis,
Linn.**

Hedges, copses, &c., Shetland to Channel
Islands.

Distrib. Europe (Arctic), N. and W. Asia.

<i>Sp.</i> Wilbraham Gravel Pit, Cambs. ...	1845	S. Hailstone	S. Hailstone
Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton

359. Lathyrus latifolius, Linn

(*Alien.*)

<i>Sp.</i> Near Walden, Essex	(1840)	Mr. Gibson	S. Hailstone
Lane, near Sleights, N.E. Yorks. ...	1822	W. Middleton	W. Middleton

	DATE.	COLLECTOR.	HERBARIUM.
360. <i>Lathyrus sylvestris</i>, Linn.			
<i>Rocky thickets and hedges</i> , Forfar southward.			
<i>Distrib.</i> Europe (Arctic), Caucasus.			
<i>Sp.</i> In a wood at the bottom of Chapman's pasture, Scarbro'	1813	S. Hailstone	S. Hailstone
Redness, near Whitehaven, Cumb. ...	(1800)	Rev. J. Harriman	Rev. J. Dalton
361. <i>Lathyrus palustris</i>, Linn			
<i>Boggy meadows and copses</i> , from York to Somerset.			
<i>Distrib.</i> Europe (Arctic), N. Asia, N. America.			
<i>Sp.</i> Gloddaeth, Ormshead, N. Wales ...	(1840)	W. R. Crotch	S. Hailstone
Heslington Fields, York	1830	W. Middleton	W. Middleton
Askham Bogs, York	1850	H. Ibbotson	H. J. Wilkinson
Shapwick Moor, Somerset	1883	H. Fisher	"
Near Beverley	1796	R. Teesdale	Rev. J. Dalton
362. <i>Lathyrus maritimus</i>, Bigel.			
<i>Pebbly beaches</i> , on the East and South coasts.			
<i>Distrib.</i> Arctic and N. Europe, Asia.			
<i>Sp.</i> Aldborough beach, Suffolk	1847	W. L. Notcutt	S. Hailstone
Between Walmer Castle & Kingsdown, Kent.	1839	E. Harvey	"
Aldborough, Suffolk	1815	J. Dalton	Rev. J. Dalton
363. <i>Lathyrus macrorrhizus</i> Wimm.			
<i>Copses, &c.</i> , Shetland to Channel Islands.			
<i>Distrib.</i> Europe.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Thorparch, Yorks.	1840	S. Hailstone	S. Hailstone
364. <i>Lathyrus niger</i>, Wimm.			
<i>Sub-Alpine Scotch Woods</i> .			
<i>Distrib.</i> Europe.			
<i>Sp.</i> Blair Athol, Perthshire	1839	W. Gardner	S. Hailstone

CATALOGUE OF BRITISH PLANTS
IN THE HERBARIUM
OF THE
YORKSHIRE PHILOSOPHICAL SOCIETY.
PART VI.

COMPILED BY HENRY J. WILKINSON, HON. CURATOR, BOTANY.

CATALOGUE OF BRITISH PLANTS IN THE HERBARIUM
OF THE
YORKSHIRE PHILOSOPHICAL SOCIETY.

PART VI.

COMPILED BY HENRY J. WILKINSON, HON. CURATOR, BOTANY.

ROSACEÆ.

	DATE.	COLLECTOR.	HERBARIUM.
365. <i>Prunus communis</i>, Huds.			
Sloe. <i>Copses, &c., Sutherland to Channel Islands.</i>			
<i>Distrib.</i> Europe.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Thorparch, „	1840	S. Hailstone	S. Hailstone
366. <i>Prunus insititia</i>, Linn.			
Bullace. <i>Copses, &c., Lanark southward.</i>			
<i>Distrib.</i> Europe, N. Africa, Himalaya.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Pontefract, „	1832	S. Hailstone	„
367. <i>Prunus Cerasus</i>, Linn.			
Wild Cherry. <i>Copses, &c., Yorkshire southward.</i>			
<i>Distrib.</i> Europe, W. Himalaya, &c.			
<i>Sp.</i> Woods in Kent	1811	S. Hailstone	S. Hailstone

	DATE.	COLLECTOR.	HERBARIUM.
368. <i>Prunus padus</i>, Linn.			
Bird Cherry. <i>Copses, &c., Caithness to Wales.</i>			
<i>Distrib.</i> Europe (Arctic), N. Africa, N. & W. Asia.			
<i>Sp.</i> Hackfall, Ripon	1790	J. Dalton	Rev. J. Dalton
Shipley, Yorks.	1800	S. Hailstone	S. Hailstone
High Force, Teesdale, Yorks. and Durham	1883	H. J. Wilkinson	H. J. Wilkinson
369. <i>Spiræa Salicifolia</i>, Linn.			
<i>Plantations, &c.; not indigenous.</i>			
<i>Sp.</i> Near Green Hammerton, Yorks. ...	1800	J. Dalton	Rev. J. Dalton
370. <i>Spiræa ulmaria</i>, Linn.			
Meadow-sweet. <i>Moist places, Shetland to Channel Islands.</i>			
<i>Distrib.</i> Europe (Arctic), N. Asia, &c.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Clifton Ings, York	1883	H. J. Wilkinson	H. J. Wilkinson
371. <i>Spiræa filipendula</i>, Linn.			
Dropwort. <i>Dry Pastures, &c., Caithness southward.</i>			
<i>Distrib.</i> Europe, N. Africa, N. Asia.			
<i>Sp.</i> Devil's Ditch, Stetworth, Cambs. ...	1839	S. Hailstone	S. Hailstone
Thorparch, Yorks.	June 30, 1849	Mr. Birkbeck	"
Near Newark, Notts.	1892	H. J. Wilkinson	H. J. Wilkinson
372. <i>Rubus Chamæmorus</i>, Linn			
Cloudberry. <i>Peaty Alpine Moors, Caithness to Derby.</i>			
<i>Distrib.</i> N. Eurcpe (Arctic), Siberia.			
<i>Sp.</i> Ingleborough, Yorks.	1803	J. Dalton	Rev. J. Dalton
Blair Athol, Perth.	1809	"	"
Morrone, Braemar, Aberdeens. ...	1887	H. Fisher	H. J. Wilkinson
" " "	1898	F. H. Weekes	F. H. Weekes
Cronkley Fell, Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson

373. *Rubus saxatilis*, Linn.

Stony banks and copses, from Cornwall to Devon.

Distrib. Europe, N. & W. Asia.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Mackershaw Woods, Ripon ...	1790	J. Dalton	Rev. J. Dalton
Castle Howard, Yorks. ..	1798	R. Teesdale	„
Beckdale, Helmsley, Yorks. ...	1885	H. J. Wilkinson	H. J. Wilkinson

374. *Rubus Idæus*, Linn.

Raspberry. Woods, &c., from Orkney southwards.

Distrib. Europe (Arctic), N. Africa, &c.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Mackershaw Woods, nr. Ripon ...	1790	J. Dalton	Rev. J. Dalton
Crambe Beck, Castle Howard, Yorks.	1885	H. J. Wilkinson	H. J. Wilkinson

375. *Rubus affinis*, W. & N.

Bramble, Blackberry.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Croft, N. Yorks.	1830	J. Dalton	Rev. J. Dalton
Langwith, E. Yorks.	1885	H. J. Wilkinson	H. J. Wilkinson

376. *Rubus Lindleianus*, Lees.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Langwith, York	1840	O. A. Moore	O. A. Moore
Skipwith, „	1885	H. J. Wilkinson	H. J. Wilkinson

**377. *Rubus rhamnifolius*,
W. & N.**

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Croft, N. Yorks.	1830	J. Dalton	Rev. J. Dalton
Skipwith, „	1885	H. J. Wilkinson	H. J. Wilkinson

378. *Rubus imbricatus*, Hort.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Glen Frome, W. Gloucester ...	Aug., 1883	J. W. White	H. J. Wilkinson

	DATE.	COLLECTOR.	HERBARIUM.
379. <i>Rubus leucostachys</i>, Sm.			
<i>Sp.</i> Leigh Wood, Somerset	1884	H. Fisher	H. J. Wilkinson
Langwith, York	1885	H. J. Wilkinson	„
380. <i>Rubus carpinifolius</i>, W. & N.			
<i>Sp.</i> Heslington, and Langwith, York ...	1885	H. J. Wilkinson	H. J. Wilkinson
381. <i>Rubus macrophyllus</i>, W. <i>Umbrosus</i> , Arrh.			
<i>Sp.</i> Skipwith, York	1885	H. J. Wilkinson	H. J. Wilkinson
382. <i>Rubus sprengelii</i>, Weihe.			
<i>Sp.</i> Skipwith, York	1885	H. J. Wilkinson	H. J. Wilkinson
383. <i>Rubus rosaceus</i>, W. & N.			
<i>Sp.</i> Langwith, York	1883	H. J. Wilkinson	H. J. Wilkinson
384. <i>Rubus rudis</i>, Weihe.			
<i>Sp.</i> Abbots Leigh, Somersets.	1884	H. Fisher	H. J. Wilkinson
385. <i>Rubus radula</i>, Weihe.			
<i>Sp.</i> Clifton Down, Somersets.	1884	H. Fisher	H. J. Wilkinson
386. <i>Rubus corylifolius</i>, Sm.			
<i>Sp.</i> Langwith, York	1883	H. J. Wilkinson	H. J. Wilkinson
387. <i>Rubus cæsius</i>, Linn. Dewberry.			
<i>Sp.</i> Skipwith, York	1883	H. J. Wilkinson	H. J. Wilkinson

388. Dryas octopetala, Linn.

*Limestone and mountain districts,
Orkney to Carnarvon.*

Distrib. Arctic and Alpine regions,
N. temp. zone.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Blair Athol, Perth.	1801	J. Dalton	Rev. J. Dalton
Arnccliffe Clouder, Yorks.	1803	"	"
Most abundantly upon Cronkley Fell, Yorks., Aug. 25	1824	S. Hailstone	S. Hailstone

389. Geum urbanum, Linn.

*Avens. Copses, hedge-banks, &c., from
Caithness southwards.*

Distrib. Europe (Arctic), N. Africa.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton

390. Geum intermedium, Ehrh.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Knaresboro', Yorks.	1798	J. Dalton	Rev. J. Dalton

391. Geum rivale, Linn.

*Copses and moist places, Orkney to
Devon.*

Distrib. Europe (Arctic), N. & W. Asia.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Malham Tarn, Yorks.	1808	S. Hailstone	S. Hailstone
Strensall Common, York	1881	H. J. Wilkinson	H. J. Wilkinson

392. Fragaria vesca, Linn.

*Wild Strawberry. Stony places, Shetland
to Channel Islands.*

Distrib. Europe (Arctic), N. & W. Asia.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Castle Howard, Yorks.	1881	H. J. Wilkinson	H. J. Wilkinson

	DATE.	COLLECTOR.	HERBARIUM.
393. <i>Potentilla norvegica</i>, Linn.			
<i>Alien.</i>			
<i>Sp.</i> from bank of Leeds and Liverpool Canal, near Armley, Yorks.	1893	W. Kirkby	H. J. Wilkinson
<i>Potentilla fragariastrum</i>, Ehrh.			
<i>Woods and banks, Caithness to Channel Islands.</i>			
<i>Distrib.</i> Europe, N. Africa.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Strensall, York	1881	H. J. Wilkinson	H. J. Wilkinson
394. <i>Potentilla verna</i>, Linn.			
<i>Rocky places (limestone, &c.), Forfar to Somerset.</i>			
<i>Distrib.</i> Europe (Arctic), Siberia.			
<i>Sp.</i> Bury St. Edmunds, Suffolk	(1800)	Sir T. G. Cullum	Rev. J. Dalton
St. Vincent's Rocks, Bristol	1796	J. Dalton	„
„ „ „	1884	H. Fisher	H. J. Wilkinson
395. <i>Potentilla salisburgensis</i>, Haenke.			
<i>Alpine districts, from Aberdeen to Wales.</i>			
<i>Distrib.</i> Europe (Arctic), N. & W. Asia.			
<i>Sp.</i> Ben Lawers, Perth	1808	J. Dalton	Rev. J. Dalton
Gordale, Settle, Yorks.	1810	„	„
Near Loch Tay, Perthshire	1809	W. Middleton	W. Middleton
Rocks by Malham Tarn, Yorks.	1832	S. Hailstone	S. Hailstone
396. <i>Potentilla tormentilla</i>, Scop.			
<i>Heaths, dry pastures, &c., Shetland to Channel Islands.</i>			
<i>Distrib.</i> Europe (Arctic), W. Siberia.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Strensall, nr. York	1881	H. J. Wilkinson	H. J. Wilkinson

	DATE.	COLLECTOR.	HERBARIUM.
397. <i>Potentilla procumbens</i>, Sibth.			
<i>Sp.</i> Croft, N. Yorks.	1830	J. Dalton	Rev. J. Dalton
398. <i>Potentilla reptans</i>, Linn.			
<i>Pastures and waysides, from Caithness southward.</i>			
<i>Distrib.</i> Europe, N. & W. Asia, Himalaya.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Brafferton, Yorks.	1834	Rev. W. Gray	H. J. Wilkinson
399. <i>Potentilla anserina</i>, Linn.			
<i>Silver-weed. Roadsides, from Shetland to Channel Islands.</i>			
<i>Distrib.</i> Arctic and N. & S. temp. regions.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Brafferton, „	1834	Rev. W. Gray	H. J. Wilkinson
400. <i>Potentilla rupestris</i>, Linn.			
<i>Rocks, Craig Breidden, Montgomery.</i>			
<i>Distrib.</i> Gothland southward, N. & W. Asia.			
<i>Sp.</i> Craig Breidden, Montgomeryshire ...	1830	Henslow	Rev. J. Dalton
„ „ „ ...	1866	W. Whitwell	W. Whitwell
401. <i>Potentilla argentea</i>, Linn.			
<i>Dry pastures and roadsides, Elgin southward.</i>			
<i>Distrib.</i> Europe (Arctic), N. & W. Asia.			
<i>Sp.</i> Near Newark, Notts.	1820	W. Middleton	W. Middleton
Perthshire	(1840)	G. Munby	Giles Munby

402. *Potentilla fruticosa*, Linn.

*Rocky banks by rivers, Yorks., Durham,
Cumberland, Westmoreland, N. Clare,
Galway.*

Distrib. N. & Mid-Europe, Alps (Arctic),
Himalaya.

Sp. Banks of the Tees, High Force,

Yorks. and Durham

„ „ „ „

DATE.

COLLECTOR.

HERBARIUM.

1807

J. Dalton

Rev. J. Dalton

1883

H. J. Wilkinson

H. J. Wilkinson

403. *Potentilla comarum*, Nestl.

*Bogs and marshes, Shetland to Channel
Islands.*

Distrib. Europe (Arctic), N. Asia, &c.

Sp. Copgrove, Yorks. 1790

J. Dalton

Rev. J. Dalton

Malham Tarn, Yorks. 1807

S. Hailstone

S. Hailstone

Skipwith Common, York 1881

H. J. Wilkinson

H. J. Wilkinson

Heslington, York 1820

W. Middleton

W. Middleton

404. *Potentilla sibbaldia*, Hall f.

Scotch Alps, Shetland to Peebles.

Distrib. Alpine and Arctic Europe, N.
Asia.

Sp. Ben a Bourd, Aberdeens. 1831

R. K. Greville

Rev. J. Dalton

Ben Lawers, Perth. 1808

J. Dalton

„

Ben Nevis, Inverness 1810

W. Middleton

W. Middleton

**405. *Alchemilla arvensis*,
Lamk.**

*Waste places (sandy soil), Shetland to
Channel Islands.*

Distrib. Europe, N. Africa, W. Asia.

Sp. Copgrove, Yorks. 1790

J. Dalton

Rev. J. Dalton

Heslington, York 1802

W. Middleton

W. Middleton

	DATE.	COLLECTOR.	HERBARIUM.
406. <i>Alchemilla vulgaris</i>, Linn.			
<i>Moist places, pastures, &c., Shetland southwards.</i>			
<i>Distrib.</i> Europe (Arctic), N. & W. Asia.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Heslington, York	1820	W. Middleton	W. Middleton
407. <i>Alchemilla alpina</i>, Linn.			
<i>Mountain streams and rocks, Shetland to York.</i>			
<i>Distrib.</i> Europe (Arctic), N. & W. Asia.			
<i>Sp.</i> Ambleside, Westmoreland	1809	J. Dalton	Rev. J. Dalton
Borrowdale, Cumberland	1804	S. Hailstone	S. Hailstone
408. <i>Agrimonia eupatoria</i>, Linn.			
<i>Hedge-banks and copses, from Sutherland southward.</i>			
<i>Distrib.</i> Europe, N. & S. Africa, &c.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Redcar, Yorks.	1800	S. Hailstone	S. Hailstone
409. <i>Poterium sanguisorba</i>, Linn.			
<i>Dry pastures, Perth to Channel Islands.</i>			
<i>Distrib.</i> Europe, N. Africa, and N. & W. Asia.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Heslington, York	1803	W. Middleton	W. Middleton
410. <i>Poterium officinale</i>, Hook f.			
<i>Meadows from Ayr to Channel Islands.</i>			
<i>Distrib.</i> Europe (Arctic), N. & W. Asia.			
<i>Sp.</i> Copgrove, Yorks.	1791	J. Dalton	Rev. J. Dalton
Heslington, York	1803	W. Middleton	W. Middleton

	DATE.	COLLECTOR.	HERBARIUM.
411. <i>Rosa spinosissima</i>, Linn.			
Scotch Rose. <i>Sandy sea shores, &c., from Caithness southward.</i>			
<i>Distrib.</i> Europe (Arctic), N. Africa, &c.			
<i>Sp.</i> Hartlepool, Durham	1799	S. Hailstone	S. Hailstone
Hackness, Scarboro'	1850	W. Bean	H. J. Wilkinson
Cambridge	1786	J. Dalton	Rev. J. Dalton
Bramham Moor, Yorks.	1809	S. Hailstone	S. Hailstone
The Burrows, Tenby, Pembrokes. ...	1899	H. M. Platnauer	H. M. Platnauer
412. <i>Rosa involuta</i>, Sm.			
<i>Var. Smithii, Baker.</i>			
<i>Sp.</i> Holwick, Teesdale, Yorks.	1820	J. Dalton	Rev. J. Dalton
413. <i>Rosa involuta</i>, Sm.			
<i>Var. Sabini, Woods.</i>			
<i>Sp.</i> Holwick, Teesdale, Yorks.	(1820)	J. Dalton	Rev. J. Dalton
Heaton Dene, Durham	(1820)	Winch	„
414. <i>Rosa involuta</i>, Sm.			
<i>Var. Doniana, Woods.</i>			
<i>Sp.</i> Henfield, Sussex	1820	W. Borrer	Rev. J. Dalton
High Force, Teesdale, Yorks.	1888	H. J. Wilkinson	H. J. Wilkinson
415. <i>Rosa involuta</i>, Sm.			
<i>Var. Robertsoni, Baker.</i>			
<i>Sp.</i> Near High Force, Teesdale, Yorks....	1888	H. J. Wilkinson	H. J. Wilkinson
416. <i>Rosa hibernica</i>, Sm.			
<i>Sp.</i> Near Belfast, Ireland	(1810)	D. Turner	Rev. J. Dalton
417. <i>Rosa mollis</i>, Sm.			
<i>Hedges, &c., Orkney southward.</i>			
<i>Distrib.</i> Europe (Arctic), W. Asia.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Near Cambridge	1786	„	„
Braemar, Aberdeens.	1887	H. Fisher	H. J. Wilkinson
Langwith, York	1888	H. J. Wilkinson	„

	DATE.	COLLECTOR.	HERBARIUM.
418. <i>Rosa tomentosa</i>, Sm.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Langwith, York	1883	H. J. Wilkinson	H. J. Wilkinson
Cambridge	1786	J. Dalton	Rev. J. Dalton
Acomb, York	1883	H. J. Wilkinson	H. J. Wilkinson
419. <i>Rosa tomentosa</i>, Sm.			
<i>Var. subglobosa</i> , Sm.			
<i>Sp.</i> Holwick, Teesdale, Yorks.	1830	J. Dalton	Rev. J. Dalton
420. <i>Rosa tomentosa</i>.			
<i>Var. scabriuscula</i> , Sm.			
<i>Sp.</i> Near Egton Bridge, N. E. Yorks.	1830	J. Dalton	Rev. J. Dalton
421. <i>Rosa rubiginosa</i>, Linn.			
Sweetbriar. <i>Native</i> .			
<i>Sp.</i> On the Malton Road, five miles from York	1883	H. J. Wilkinson	H. J. Wilkinson
422. <i>Rosa micrantha</i>, Sm.			
<i>Sp.</i> Near Egton Bridge, N. E. Yorks.	1820	W. Middleton	W. Middleton
423. <i>Rosa canina</i>, Linn.			
Dog Rose. <i>Hedges, &c., Orkney to Channel Islands.</i>			
<i>Distrib.</i> Europe, N. Africa, &c.			
<i>Sp.</i> , <i>Var. lutetiana</i> , Leman, Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
424. <i>Var. surculosa</i>, Woods.			
<i>Sp.</i> Croft, Yorks.	1830	J. Dalton	Rev. J. Dalton
425. <i>Var. dumalis</i>, Bechst.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Langwith, Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson

Rosa canina.	DATE.	COLLECTOR.	HERBARIUM.
426. <i>f. verticillacantha</i> , Mérat. <i>Sp.</i> Between Sherburn and So. Milford, Yorks.	1886	H. J. Wilkinson	H. J. Wilkinson
427. <i>Var. urbica</i> , Leman. <i>Sp.</i> Langwith, York	1883	H. J. Wilkinson	H. J. Wilkinson
428. <i>Var. arvatica</i> , Baker. <i>Sp.</i> Skipwith, York	1883	H. J. Wilkinson	H. J. Wilkinson
429. <i>Var. dumetorum</i> , Thuill. <i>Sp.</i> Langwith, York	1883	H. J. Wilkinson	H. J. Wilkinson
430. <i>Var. obtusifolia</i> , Desv. <i>Sp.</i> Between Sherburn and So. Milford, Yorks.	1886	H. J. Wilkinson	H. J. Wilkinson
431. <i>Var. tomentella</i> , Leman. <i>Sp.</i> Heslington, York	1883	H. J. Wilkinson	H. J. Wilkinson
432. <i>Var. subcristata</i> , Baker. <i>Sp.</i> Langwith, York	1885	H. J. Wilkinson	H. J. Wilkinson
433. <i>Var. Watsoni</i> , Baker. <i>Sp.</i> Skipwith, York	1883	H. J. Wilkinson	H. J. Wilkinson
434. <i>Var. Bakeri</i> , Déségl. <i>Sp.</i> Langwith, York	1883	H. J. Wilkinson	H. J. Wilkinson
435. Rosa stylosa (systyla Bast.) <i>Sp.</i> Hartwell, Sussex	(1820)	W. Borrer	Rev. J. Dalton
436. Rosa arvensis , Huds. <i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton

	DATE.	COLLECTOR.	HERBARIUM.
437. <i>Pyrus torminalis</i>, Ehrh. <i>Woods and hedges, Lancashire southward.</i> <i>Distrib.</i> Europe, W. Asia, N. Africa. <i>Sp.</i> Sussex	1803	W. Borrer	Rev. J. Dalton
438. <i>Pyrus Aria</i>, Sm. <i>White beam. Coppes, &c., Sutherland.</i> <i>Distrib.</i> Europe, N. Africa, N. & W. Asia. <i>Sp.</i> Leigh, Woods, Somerset Knaresboro', York (? <i>Pyrus rupicola</i> , Sym.)	1885 1798	H. Fisher J. Dalton	H. J. Wilkinson Rev. J. Dalton
439. <i>Pyrus aucuparia</i>, Ehrh. <i>Rowan-tree, Mountain Ash. Woods, &c.</i> <i>Caithness southward.</i> <i>Distrib.</i> Europe, N. & W. Asia, Himalaya, &c. <i>Sp.</i> Copgrove, Yorks. Heslington, York	1790 1803	J. Dalton W. Middleton	Rev. J. Dalton W. Middleton
440. <i>Pyrus communis</i>, Linn. <i>Wild Pear. Woods, &c., York southward.</i> <i>Distrib.</i> E. Europe, N. W. Asia. <i>Sp.</i> Curwen's Island, Windermere, West- moreland	1808	J. Dalton	Rev. J. Dalton
441. <i>Pyrus malus</i>, Linn. <i>Crab Apple. Coppes, &c., Perth southward.</i> <i>Distrib.</i> Europe, W. Asia, Himalaya. <i>Sp.</i> Copgrove, Yorks. Heslington, York	1790 1803	J. Dalton W. Middleton	Rev. J. Dalton W. Middleton

	DATE.	COLLECTOR.	HERBARIUM.
442. <i>Cratægus oxyacantha</i>, Linn.			
Hawthorn. <i>Hedges, woods, &c., Shet-</i> <i>land southward.</i>			
<i>Distrib.</i> Europe, N. Africa, N. & W. Asia.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Heslington, York	1803	W. Middleton	W. Middleton
443. <i>Cotoneaster vulgaris</i>, Lindl.			
<i>Limestone cliffs, Great Orme's Head.</i>			
<i>Distrib.</i> Europe, N. & W. Asia.			
<i>Sp.</i> Great Orme's Head, N. Wales ...	1825	W. Wilson	Rev. J. Dalton

APPENDIX to PART VI.

OF THE

CATALOGUE OF BRITISH PLANTS IN THE HERBARIUM

OF THE

YORKSHIRE PHILOSOPHICAL SOCIETY,

COMPILED BY HENRY J. WILKINSON, HON. CURATOR, BOTANY.

	DATE.	COLLECTOR.	HERBARIUM.
375. <i>Rubus affinis</i> Blox, non Wh. & N.			
<i>Sp.</i> From Croft, N. Yorks. "Is apparently a rather narrowleaved form of <i>R. plicatus</i> , Wh. & N."	1880	J. Dalton	Rev. J. Dalton
<i>Sp.</i> From Langwith, S.E. Yorks. "Should be <i>R. selmeri</i> , Lindeb." W.M.R.	1885	H. J. Wilkinson	H. J. Wilkinson
376. <i>Rubus lindleianus</i>, Lees.			
<i>Sp.</i> From Skipwith, S.E. Yorks. "It seems to be a form of <i>R. Schlechtendalii</i> , Weihe. If so, new for v.c. 61." W.M.R.	1885	H. J. Wilkinson	H. J. Wilkinson
377. <i>Rubus rhamnifolius</i>, Wh. & N.			
<i>Sp.</i> From Skipwith, S.E. Yorks. "Material too imperfect for absolute certainty, but it looks very like <i>R. integribasis</i> , P. J. Muell, which would be an especially interesting record for v.c. 61." W.M.R.	1885	H. J. Wilkinson	H. J. Wilkinson
<i>Sp.</i> From Croft, N. Yorks. "Is <i>R. rhamnifolius</i> , subspec. <i>Bakeri</i> , F. A. Lees.	1880	J. Dalton	Rev. J. Dalton
<i>Sp.</i> From Langwith, S.E. Yorks. "Possibly <i>R. rhamnifolius</i> ." W.M.R.	1885	H. J. Wilkinson	H. J. Wilkinson

	DATE.	COLLECTOR.	HERBARIUM.
379. <i>Rubus leucostachys</i>, Schleich.			
<i>Sp.</i> From Skipwith, S.E. Yorks. ... "Correctly named new for v.c. 61." W.M.R.	1885	H. J. Wilkinson	H. J. Wilkinson
<i>Sp.</i> From Knaresboro', Yorks. ...	1900	H. Fisher	H. J. Wilkinson
380. <i>Rubus carpinifolius</i>, Wh. & N.			
<i>Sp.</i> From Skipwith, S.E. Yorks. ... "I fully believe it to be correctly named and new for v.c.61." W.M.R.	1885	H. J. Wilkinson	H. J. Wilkinson
"The specimens from Heslington, York, appear to be <i>R. pulcherrimus</i> , Neum (<i>R. carpinifolius</i> Blox, in part, not of Wh. & N.)" W.M.R.	1885	H. J. Wilkinson	H. J. Wilkinson
381. <i>Rubus macrophyllus</i>, Wh. & N.			
<i>Sp.</i> From Skipwith, S.E. Yorks. ... "I think an exceptionally large paniced form of <i>R. macrophyllus</i> , Wh. & N., but I should like to see more of it for certainty." W.M.R.	1885	H. J. Wilkinson	H. J. Wilkinson
382. <i>Rubus sprengelii</i>, Weike			
<i>Sp.</i> From Skipwith, S.E. Yorks. ... "Surely <i>R. plicatus</i> , Wh. & N., and if so, new for v.c. 61, but I should like to see a panicle in flower." W.M.R.	1885	H. J. Wilkinson	H. J. Wilkinson
383. <i>Rubus rosaceus</i>, Wh. & N.			
<i>Sp.</i> From Langwith, S.E. Yorks. ... "Rightly named I believe, but from these pieces only I cannot satisfy myself to which variety of this very variable species it belongs, anyone would be new for v.c. 61." W.M.R.	1885	H. J. Wilkinson	H. J. Wilkinson
384. <i>Rubus rudis</i>. (<i>Auct. Brit. up to 1886.</i>)			
<i>Sp. in Herb.</i> From Somersetshire. ... "Should be <i>R. echinatus</i> Lindl." W.M.R.	...	H. Fisher	H. J. Wilkinson

	DATE.	COLLECTOR.	HERBARIUM.
385. <i>Rubus radula</i>, Wh.			
<i>Sp. in Herb.</i> From Somersetshire. ...	...	H. Fisher	H. J. Wilkinson
"Not <i>radula</i> , but a form of <i>Anglo-saxonicus</i> Gelert, coming between type and <i>raduloides</i> ." W.M.R.			
380a. <i>Rubus pulcherrimus</i>, Neum.			
<i>Sp.</i> Skipwith, S.E. Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson
Plompton, Knaresboro', Yorks. ...	1900	H. Fisher	H. J. Wilkinson
"Record for v.c. 64." W.M.R.			
380b. <i>Rubus lindebergii</i>, P. J. Muell.			
<i>Sp.</i> From Croft, N. Yorks.	1880	J. Dalton	Rev. J. Dalton
Sub-nom. <i>R. rhamnifolius</i> .			
380c. <i>Rubus villicaulis</i>, Koehl			
<i>Sub-spec. Selmeri Lindeb.</i>			
<i>Sp.</i> From Langwith and Skipwith, S.E. Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson
"New record for v.c. 61." W.M.R.			
Scotton Bank, Knaresboro', Yorks....	1900	H. Fisher	H. J. Wilkinson
"Confirmation for v.c. 64." W.M.R.			
380d. <i>Rubus villicaulis</i>, Koehl			
<i>Sub-spec. Calvatus Blox.</i>			
<i>Sp.</i> From Langwith, S.E. Yorks. ...	1883	H. J. Wilkinson	H. J. Wilkinson
"New record for v.c. 61." W.M.R.			
380e. <i>Rubus argentatus</i>, P. J. Muell.			
<i>Var. robustus. P. J. Muell.</i>			
<i>Sp.</i> From Grimbald Crag, Knaresboro', Yorks.	1900	H. Fisher	H. J. Wilkinson
380f. <i>Rubus rusticanus</i>, Merc.			
<i>(R. discolor auct. Brit. mult.)</i>			
<i>Sp.</i> From Langwith, S.E. Yorks. ...	1883	H. J. Wilkinson	H. J. Wilkinson

	DATE.	COLLECTOR.	HERBARIUM.
381a. <i>Rubus macrophyllus</i>, Wh. & N. (<i>Sub-spec. Schlechtendalii</i> , Weihe.)			
<i>Sp.</i> From Goldsbro' Mill, Knaresboro', Yorks. "New for v.c. 64." W.M.R.	1900	H. Fisher	H. J. Wilkinson
<i>Sp.</i> From Skipwith, S.E. Yorks., see No. 376 sub-nom. Lindleianus.	1885	H. J. Wilkinson	H. J. Wilkinson
382a. <i>Rubus mucronatus</i>, Blox.			
<i>Sp.</i> From Skipwith, S.E. Yorks. ... "Type new for v.c. 61." W.M.R.	1883	H. J. Wilkinson	H. J. Wilkinson
382b. <i>Rubus drejeri</i>, G. Jensen (<i>Sub-spec. Leyanus</i> , Rogers.)			
<i>Sp.</i> From between Sewerby & Bridlington, Yorks. "Undoubtedly my subspec <i>R. Leyanus</i> , though with more compound leaf- toothing than usual. New for York- shire and the most Northern locality from which I have yet seen the sub- species." W.M.R.	1897	H. Fisher	H. J. Wilkinson
383a. <i>Rubus Koehleri</i>, Wh. & N. (<i>Sub-spec. dasiphyllus</i> , Rogers.)			
<i>Sp.</i> From Skipwith, S.E. Yorks. ... (Sub-nom. <i>R. pallidus</i> , Bab. non. Wh. & N.)	1883	H. J. Wilkinson	H. J. Wilkinson
385a. <i>Rubus dumetorum</i>, Wh. & N.			
<i>Sp.</i> From Skipwith, S.E. Yorks. ...	1883	H. J. Wilkinson	H. J. Wilkinson
386. <i>Rubus corylifolius</i>, Sm.			
<i>Sp.</i> From Langwith, S.E. Yorks. ...	1883	H. J. Wilkinson	H. J. Wilkinson
387. <i>Rubus cæsius</i>, Linn.			
<i>Sp.</i> From Skipwith, S.E. Yorks. ...	1883	H. J. Wilkinson	H. J. Wilkinson

CATALOGUE OF BRITISH PLANTS IN THE HERBARIUM

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PART VII.

COMPILED BY HENRY J. WILKINSON, HON. CURATOR, BOTANY.

SAXIFRAGÆ.

	DATE.	COLLECTOR.	HERBARIUM.
444. Saxifraga oppositifolia, Linn.			
<i>Alpine rocks, from N. Wales to Shetland.</i>			
<i>Distrib.</i> Arctic & alpine Europe, Asia, &c.			
<i>Sp.</i> Clova Mts., Forfarshire	1834	J. McNab	S. Hailstone
Ben Lomond, Stirlingshire	1848	J. T. McKay	„
Ingleboro', Yorkshire	1796	R. Teesdale	Rev. J. Dalton
Ben Lawers, Perthshire	1806	J. Dalton	„
Ben Lawers „	1830	R. K. Greville	„
Clova Mts., Forfars.	1820	W. Middleton	W. Middleton
Ingleboro', Yorks., plentifully ...	1820	S. Hailstone	S. Hailstone
445. Saxifraga nivalis, Linn.			
<i>Alpine rocks, N. Wales to Highlands.</i>			
<i>Distrib.</i> Arctic Europe, N. Asia, and N. America.			
<i>Sp.</i> Ben Lawers, Perthshire.	1806	J. Dalton	Rev. J. Dalton
Ben Lawers „	1849	W. L. Lindsay	S. Hailstone
Canlochen Glen	1849	J. Backhouse, jr.	„
Dumbartonshire	1837	J. Hamilton	„

446. *Saxifraga stellaris*, Linn.*Sub-alpine rills, from North Wales to Caithness.**Distrib.* Arctic and Alpine Europe, N. Asia and N. America.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Ingleboro', Yorks.	1800	J. Dalton	Rev. J. Dalton
Snowdon, Carnarvonshire	1820	W. Middleton	W. Middleton
Ben Lomond, Stirlings.	1848	J. T. McKay	S. Hailstone
Holwick, Teesdale, Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson
Hungry Hill, co. Cork	1894	R. A. Phillips	"
Old Man, and other mountains in Cumberland	1830	S. Hailstone	S. Hailstone

447. *Saxifraga geum*, Linn.*Mountains of Cork and Kerry.**Distrib.* N. Spain, Pyrenees.

<i>Sp.</i> Thorp Arch Woods, Yorks. (not native)	1845	S. Hailstone	S. Hailstone
Arran, Bute (sub-nom <i>hirsuta</i>) ...	1830	Dr. Balfour	"
Near Berehaven, co. Cork	1894	R. A. Phillips	H. J. Wilkinson

448. *Saxifraga umbrosa*, Linn.*W. and S.W. Ireland.**Distrib.* N. Spain, Portugal, &c.

<i>Sp.</i> Thorp Arch Woods, Yorks. (not native)	1832	S. Hailstone	S. Hailstone
Near Adrigole, co. Cork	1894	R. A. Phillips	H. J. Wilkinson
Heselden Gill (<i>Var. crenata</i> Bab.) ...	1842	J. Tatham	S. Hailstone
Hasleton Gill, between Arncliffe and Horton-in-Craven, Yorks. ...	1798	J. Dalton	Rev. J. Dalton
Studley Woods, Ripon, Yorks. ...	1820	W. Middleton	W. Middleton

449. *Saxifraga hirculus*, Linn.*Bogs and Wet Moors, Perth to Yorks.**Distrib.* Alpine, N. and Mid. Europe (Arctic), N. Asia.

<i>Sp.</i> North Riding, Yorks.	(1820)	Dr. Townson	Rev. J. Dalton
Bauldersdale, N. Yorks.	(1820)	J. Backhouse	W. Middleton
Baldersdale	1843	J. Backhouse, jr.	S. Hailstone
Near the confluence of Boulder and Black Beck, nr. Cotherstone, N.W. Yorks.	(1810)	J. Backhouse	Rev. J. Dalton

450. Saxifraga aizoides, Linn.*Mountain rills, Yorkshire to Orkney.**Distrib.* N. & Mid. Europe (Arctic), N.
Asia, N. America.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Helvellyn	1807	J. Dalton	Rev. J. Dalton
Widdy Bank, Durham	1820	S. Hailstone	S. Hailstone
Old Man, and other mountains in Cumberland	1820	"	"
Ben Lomond, Stirlings.	1830	"	"
Ingleboro', Yorks.	1798	J. Dalton	Rev. J. Dalton

**451. Saxifraga tridactylites,
Linn.***Wall-tops and dry places, Caithness to
Kent.**Distrib.* Europe, N. Africa, N. & W.
Asia.

<i>Sp.</i> Copgrove, Yorks.	1791	J. Dalton	Rev. J. Dalton
Upon a low building just beyond the turnpike in Bowling Lane, Yorks.	1803	S. Hailstone	S. Hailstone
On the walls about Barnoldswick-in- Craven, Yorks.			
Malham ,, ...	1833	"	"
Heslington ,, ...	1810	W. Middleton	W. Middleton

452. Saxifraga rivularis, Linn.*Alpine wet rocks and streams, Scotland.**Distrib.* Scandinavia, Arctic Europe,
Asia.

<i>Sp.</i> Lochnagar, Aberdeenshire	1849	J. Backhouse, jr.	S. Hailstone
Lochnagar ,, ...	1837	Dr. Balfour	"
Ben Nevis, Inverness.	1810	Dr. Townson	Rev. J. Dalton

453. Saxifraga granulata, Linn.*Sandy banks and meadows, from Elgin
to Kent.**Distrib.* Europe, N. Africa, W. Asia, &c.

<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Heslington ,, ...	1810	W. Middleton	W. Middleton
Under Malham Cove, Yorks... ..	1830	S. Hailstone	S. Hailstone

454. Saxifraga cernua, Linn.*Schistose rocks, Ben Lawers.**Distrib.* Arctic and Alpine, Europe,
N. Asia, &c.

<i>Sp.</i> Ben Lawers, Perthshire.	1806	J. Dalton	Rev. J. Dalton
Ben Lawers ,, ...	1848	J. Gardiner	S. Hailstone

455. Saxifraga hypnoides, Linn.*Hilly sub-alpine districts, Caithness to Somerset.*

<i>Sp.</i> Ingleboro', Yorks.	1796	R. Teesdale	Rev. J. Dalton
Salisbury Crags, Edinburgh	1806	J. Dalton	,,
Ben Nevis, Inverness.	1806	,,	,,
Malham Tarn, Yorks.	1820	S. Hailstone	S. Hailstone
Llanberris, Carnarvon. (sub-nom pal- mata)	1796	Bingley	Rev. J. Dalton
<i>Var.</i> hirta (Don.), Brandon Mts. co. Kerry	1841	C. C. Babington	S. Hailstone
, affinis (Mack.) ,, ,,	1841	J. T. McKay	,,
,, decipiens (Ehrh.) (sub-nom cæspitosat) Cwm Idwell, N. Wales	1800	J. Dalton	Rev. J. Dalton
,, platypetala (Sm.), Cwm Idwell, N. Wales	1800	,,	,,

456. Chrysosplenium alternifolium, Linn.*Moist woods, from Argyll to Kent and Devon.**Distrib.* Europe (Arctic), N. & W. Asia.

<i>Sp.</i> Bell Bankwood, Bingley, Yorks.	1820	S. Hailstone	S. Hailstone
Studley, near Ripon ,, ...	1791	J. Dalton	Rev. J. Dalton
Castle Howard ,, ...	1820	W. Middleton	W. Middleton

457. Chrysosplenium oppositifolium, Linn.*Damp shady places, from Orkney to Kent.**Distrib.* Europe, Siberia, &c.

<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Langwith ,, ...	1810	W. Middleton	,,
Crambe Beck, Castle Howard, Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson

458. *Parnassia palustris*, Linn.

Wet sea-banks, moors, and bogs, from Dorset to Shetland.

Distrib. Europe, N. Africa, N. & W. Asia, &c.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Gordale, Yorks.	1801	S. Hailstone	S. Hailstone
Askham Bogs, Yorks.	1800	"	"
In a field beyond the house at Bowcliffe, near Bramham, York ...	1886	"	"
Knaresboro', Yorks.... ..	1791	J. Dalton	Rev. J. Dalton
Langwith ,, ...	1820	W. Middleton	W. Middleton

459. *Ribes grossularia*, Linn.

Gooseberry. Hedges and copses, N. of England, &c.

Distrib. Europe, N. Africa, W. Asia.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Hedges about Boston, Thorp Arch, Yorks.	1882	S. Hailstone	S. Hailstone
Copgrove, Yorks.	1791	J. Dalton	Rev. J. Dalton
<i>Var.</i> <i>uva crispa</i> (Linn.), nr. Ingleton, Yorks. (1800)		"	"

460. *Ribes alpinum*, Linn.

Woods in N. of England.

Distrib. Europe, N. and W. Asia, N. America.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Bowling & Great Horton lanes, Yorks. on the right of the road above Thornton	1803	S. Hailstone	S. Hailstone
Stainforth Wood, Settle, Yorks. ...	1884	J. Tatham, jr.	"
Clapham, Yorks.	1893	H. J. Wilkinson	H. J. Wilkinson

461. *Ribes rubrum*, Linn.

Woods and thickets, N. of England, &c.

Distrib. Europe, N. & W. Asia, N. & W. Himalaya.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> By the side of Bradford Brook, below the town, Yorks.	1808	S. Hailstone	S. Hailstone
Woods at Boston Spa, Yorks. ...	1882	"	"

462. Ribes rubrum, Linn.*Var. petraeum* (Sm.)

Sp. Croft, N. Yorks.
 Amongst the limestone rocks as you
 pass from Malham Cove to Gordale,
 Yorks.

DATE.

COLLECTOR.

HERBARIUM.

1826

J. Dalton

Rev. J. Dalton

1832

S. Hailstone

S. Hailstone

463. Ribes rubrum, Linn.*Var. spicatum* (Robs.)

Sp. Richmond, Yorks.

(1810)

E. Robson

Rev. J. Dalton

464. Ribes nigrum, Linn.

Black Currant. *Woods, &c., Mid. Scot-*
land, Southward.

Distrib. Europe, N. & W. Asia.

Sp. By the Skerr, near Darlington, Dur.

(1830)

J. Backhouse

S. Hailstone

CRASSULACEÆ.**465. Tillæa muscosa, Linn.**

Sandy heaths, Norfolk, Devon, &c.

Distrib. W. Europe, from Holland
 southward.

Sp. Near Norwich, Norfolk
 Near Yarmouth „
 Lowestoft, Suffolk
 Poole, Dorset

1798

Sir J. E. Smith

Rev. J. Dalton

1806

J. Dalton

„

1845

W. C. Trevelyan

S. Hailstone

1885

H. Fisher

H. J. Wilkinson

**466. Cotyledon umbilicus,
Linn.**

Rocks and Walls, from Argyll to Kent.

Distrib. From France, southward, to
 W. Asia.

Sp. Upon almost every Rock and Wall in
 the Isle of Man, growing to a great
 size
 Walls of ruins of Iona, Scotland
 Nether Bradfield, Sheffield, Yorks....

1841

S. Hailstone

S. Hailstone

1893

„

„

1893

J. Austen

H. J. Wilkinson

	DATE.	COLLECTOR.	HERBARIUM.
467. <i>Sedum roseum</i>, Scop.			
<i>Alpine and Sub-alpine Rocks, S. Wales to Shetland.</i>			
<i>Distrib.</i> N. and Mid. Europe (Arctic), N. America.			
<i>Sp.</i> Ingleboro', Yorks.	1796	J. Dalton	Rev. J. Dalton
Snowdon, Carnarvon.	(1820)	Prof. Henslow	"
Ingleboro', Yorks.	1820	W. Middleton	W. Middleton
468. <i>Sedum telephium</i>, Linn.			
<i>Stoney hedgebanks, copses, Perth southward.</i>			
<i>Sp.</i> Furness Abbey, Lancashire... ..	(1810)	S. Hailstone	S. Hailstone
469. <i>Sedum villosum</i>, Linn.			
<i>Bogs and Marshes (sub-alpine), Yorks. to Argyll.</i>			
<i>Distrib.</i> Europe (Arctic), Norway to Italy, &c.			
<i>Sp.</i> Pentland Hills, Edinburgh	1830	Giles Munby	Munby
Wensleydale, Yorks... ..	1820	J. Dalton	Rev. J. Dalton
Stackhouse, near Settle, Yorks.	1842	H. Ibbotson	H. J. Wilkinson
Holwick, Teesdale ,, ...	1883	H. J. Wilkinson	"
Ingleboro', Yorks.	1796	J. Dalton	Rev. J. Dalton
470. <i>Sedum album</i>, Linn. <i>Alien</i>			
<i>Sp.</i> Greta Bridge, N. Yorks.	1822	S. Hailstone	S. Hailstone
471. <i>Sedum dasyphyllum</i>, Linn. <i>Alien</i>.			
<i>Sp.</i> Old Walls between Middleton and Ballinacurra, co. Cork	1895	R. A. Phillips	H. J. Wilkinson
472. <i>Sedum anglicum</i>, Huds.			
<i>Rocks and banks, N. to Shetland.</i>			
<i>Distrib.</i> W. Europe.			
<i>Sp.</i> Isle of Man	1882	S. Hailstone	S. Hailstone
Castle Hill, Hastings	1834	"	"
Rochesport, Cork Harbour	1894	R. A. Phillips	H. J. Wilkinson

473. *Sedum acre*, Linn.

Rocks, Walls, &c., Yorkshire, Channel Islands.

<i>Sp.</i> Thorp Arch, Yorks....	...	...	1830	S. Hailstone	S. Hailstone
Copgrove	„	...	1790	J. Dalton	Rev. J. Dalton

474. *Sedum rupestre*, Linn.

Var. Majus, Syme.

<i>Sp.</i> Cheddar Pass, Somerset.	...	...	1884	H. Fisher	H. J. Wilkinson
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475. *Sedum forsterianum*, Sm.

<i>Sp.</i> Barmouth, Merionethshire	...	...	1841	Rev. T. Butler	S. Hailstone
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DROSERACEÆ.**476. *Drosera rotundifolia*, Linn.**

Sundew. Bogs and heaths, N.W. Shetland, Channel Islands.

Distrib. Europe (Arctic), N. & W. Asia.

<i>Sp.</i> Copgrove, Yorks.	...	...	1790	J. Dalton	Rev. J. Dalton
Eccleshill Moor, Yorks.	...	...	1800	S. Hailstone	S. Hailstone
Terrington Carr, N. Yorks....	...	...	1810	W. Middleton	W. Middleton
Skipwith Common, S.E. Yorks.	...	...	1883	H. J. Wilkinson	H. J. Wilkinson

477. *Drosera anglica*, Huds.

Wet Moors, &c., Orkney to Devon, &c.

Distrib. Europe, N. Asia, America.

<i>Sp.</i> Leckby Carr, N. Yorks.	...	...	1796	J. Dalton	Rev. J. Dalton
Leckby Carr	„	...	1823	S. Hailstone	S. Hailstone
Terrington Carr	„	...	1810	W. Middleton	W. Middleton

478. *Drosera intermedia*, Hayne.

Distrib. Europe (Arctic), W. Asia, &c.

<i>Sp.</i> Terrington Carr, N. Yorks....	...	...	1810	W. Middleton	W. Middleton
Milthorp Marshes, Westmoreland	...	...	1804	S. Hailstone	S. Hailstone
Skipwith Common, S.E. Yorks.	...	...	1883	H. J. Wilkinson	H. J. Wilkinson

HALORAGEÆ.

479. *Hippuris vulgaris*, Linn.

Ponds & streams, Shetland to Cornwall.

Distrib. Arctic & Temp. N. Hemisphere.

<i>Sp.</i> Staveley Carr, Yorks.	1791	J. Dalton	Rev. J. Dalton
Mill Dam, Boroughbridge, Yorks. ...	1806	S. Hailstone	S. Hailstone
River Cock, near Aberford „ ...	1806	„	„
Nr. Rimswell, Holderness, S.E. Yorks.	1892	H. J. Wilkinson	H. J. Wilkinson

480. *Myriophyllum verticillatum*, Linn.

The specimen from “a bog in the field out of North Street Postern, York, S. Hailstone, 1803,” is too imperfect for identification. H. J. W. ...

... .. S. Hailstone

481. *Myriophyllum spicatum*, Linn.

The specimen from “Askham Bogs, York, S. Hailstone, 1800, is not sufficiently developed to name as above. H. J. W.

... .. S. Hailstone

482. *Myriophyllum alternifolium*. *florum*

Ponds and ditches, from Shetland to Cornwall.

<i>Sp.</i> Back Common, Fakenham, Norfolk...	1847	W. L. Notcutt	S. Hailstone
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483. *Callitriche verna*, Linn.

C. Vernalis, Kuetz.

Ponds and ditches, Shetland, southward.

Distrib. All temperate and cold regions. (Arctic).

<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
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**484. Callitriche autumnalis,
Linn.**

Lakes, Orkneys to Devon.

Distrib. N. & Mid. Europe (Arctic).

Sp. Anglesea, Wales

DATE.

COLLECTOR.

HERBARIUM.

1830

J. Dalton

Rev. J. Dalton

LYTHRARIÆ.

485. Peplis portula, Linn.

Moist places, from Caithness, southward.

Distrib. Europe, N. Africa.

Sp. Langford Moor, Newark, Notts. ...

Petersfield Heath, Hants.

Copgrove, Yorks.

Skipwith, S.E. Yorks.

1820

W. Middleton

W. Middleton

(1830)

Dr. Bromfield

S. Hailstone

1790

J. Dalton

Rev. J. Dalton

1883

H. J. Wilkinson

H. J. Wilkinson

486. Lythrum salicaria, Linn.

River banks, ditches, &c., Argyll, southward.

Distrib. Temperate, N. regions (Arctic),
Australia.

Sp. York

Between Silsden and Skipton, Yorks.

near the Canal

Copgrove, Yorks.

1800

S. Hailstone

S. Hailstone

1801

"

"

1790

J. Dalton

Rev. J. Dalton

**487. Lythrum hyssopifolia,
Linn.**

Moist places, Cambridge, Norfolk, &c.

Distrib. From Hanover, southward,
N. and W. Asia.

Sp. Bury St. Edmunds, Suffolk... ..

(1800)

J. Dalton

Rev. J. Dalton

ONAGRARIÆ.**488. Epilobium angustifolium**
Linn.*Banks and copses, Shetland, southward.**Distrib.* Temperate and Arctic Europe,
N. & W. Asia, &c.

<i>Sp.</i> Arundel, Sussex	...	...	...
Gordale, Yorks.	...	...	...
Copgrove ,,	...	...	...

DATE.

COLLECTOR.

HERBARIUM.

1810

W. Middleton

W. Middleton

1801

S. Hailstone

S. Hailstone

1790

J. Dalton

Rev. J. Dalton

489. Epilobium hirsutum, Linn*Sides of ditches, &c., from Sutherland,*
*southward.**Distrib.* Europe, N. Africa, N. & W.
Asia.

<i>Sp.</i> Bath, Somersetshire	...	...	...
Horton Lane, Bradford, Yorks.	...	...	...
Copgrove, Yorks.	...	...	...

1803

J. Dalton

Rev. J. Dalton

1810

S. Hailstone

S. Hailstone

1790

J. Dalton

Rev. J. Dalton

490. Epilobium montanum,
Linn.*Shady banks, walls, &c., Shetland,*
*southward.**Distrib.* Europe (Arctic), N. & W. Asia.

<i>Sp.</i> Hedges about Bradford, Yorks.	...	...	...
Ripon, Yorks.	...	...	...

1810

S. Hailstone

S. Hailstone

1820

W. Middleton

W. Middleton

491. Epilobium lanceolatum,
Seb. & Maur.*Roadsides and stony places, Surrey to*
*Cornwall.**Distrib.* Belgium, southward.

<i>Sp.</i> Stapleton, near Bristol	...	...	...
Glen Frome, Gloucester	...	...	...

1846

G. H. K. Thwaites

S. Hailstone

1884

H. Fisher

H. J. Wilkinson

	DATE.	COLLECTOR.	HERBARIUM.
492. <i>Epilobium tetragonum</i>, Linn.			
<i>Wet places, from the Orkneys, southward.</i>			
<i>Distrib.</i> Europe (Arctic), N. and S. temperate zones.			
<i>Sp.</i> Croft, N. Yorks.	1830	J. Dalton	Rev. J. Dalton
493. <i>Epilobium obscurum</i>, Schreb.			
<i>Sub-nom tetragonum.</i>			
<i>Sp.</i> Croft, N. Yorks.	1830	J. Dalton	Rev. J. Dalton
494. <i>Epilobium palustre</i>, Linn			
<i>Bogs and ditches, from Shetland, south- ward.</i>			
<i>Distrib.</i> N. Temp. and Arctic Zones, Himalaya.			
<i>Sp.</i> Severus Hill, York	1800	S. Hailstone	S. Hailstone
Bramham Park, Yorks.	1849	Mr. Birkbeck	„
495. <i>Epilobium alsinefolium</i>, Vill.			
<i>Spongy banks and rills, and in hilly dis- tricts, from Wales to Shetlands.</i>			
<i>Distrib.</i> Europe (Arctic), N. & W. Asia.			
<i>Sp.</i> Clova Mts., Forfars.	1846	S. Hailstone	S. Hailstone
Cronkley Fell, Yorks.	1810	J. Backhouse	„
Ben Nevis, Inverness, ...	1810	W. Middleton	W. Middleton
Ben Lawers, Perth.	1806	J. Dalton	Rev. J. Dalton
Snowdon, Carnarvons.	1809	W. Middleton	W. Middleton
496. <i>Epilobium anagallido- folium</i>, Linn.			
<i>Alpine rills, Durham to Sutherland.</i>			
<i>Distrib.</i> Arctic and Alpine Europe, Asia, &c.			
<i>Sp.</i> Clova Mts., Forfars.	1850	J. Tatham	S. Hailstone
Clova Mts. „	1806	J. Dalton	Rev. J. Dalton

497. *Ludwigia apetala*, Walbr.*Boggy pools, &c., Sussex and Hants.**Distrib.* From Hambury, southward.

Sp. Buxtead, Sussex
 Petersfield Heath, Hants.

DATE.

COLLECTOR.

HERBARIUM.

1827
(1830)W. Borrer
Dr. BromfieldRev. J. Dalton
S. Hailstone**498. *Oenothera biennis*, Linn.***Alien.**Distrib.* N. America.

Sp. Near Swansea
 Near Barmouth

1810
1841J. Dalton
Rev. T. ButlerRev. J. Dalton
S. Hailstone**499. *Circæa lutetiana*, Linn.***Damp woods, &c., Aberdeen, southward.**Distrib.* Europe, N. Africa, N. & W.
Asia.

Sp. Bradford, Yorks.
 Castle Howard, Yorks.

1810
1883S. Hailstone
H. J. WilkinsonS. Hailstone
H. J. Wilkinson**500. *Circæa alpina*.**

The specimens under this name (in the
 Herbarium) are too imperfect for
 determining the species. H. J. W. ...

...

...

W. Middleton
Rev. J. Dalton**CUCURBITACEÆ.****501. *Bryonia dioica*, Jacq.***Hedges and thickets.**Distrib.* From Denmark, southward.

Sp. Copgrove, Yorks.

1790

J. Dalton

Rev. J. Dalton

CATALOGUE OF BRITISH PLANTS IN THE HERBARIUM
OF THE
YORKSHIRE PHILOSOPHICAL SOCIETY.

PART VIII.

COMPILED BY HENRY J. WILKINSON, HON. CURATOR, BOTANY.

UMBELLIFERÆ.

	DATE.	COLLECTOR.	HERBARIUM.
502. <i>Hydrocotyle vulgaris</i>, Linn.			
<i>Bogs, marshes, &c., Shetland, southwards.</i>			
<i>Distrib.</i> Europe, W. Asia, N. Africa.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Shipley Moor, Yorks.	1800	S. Hailstone	S. Hailstone
Heslington, York.	1806	W. Middleton	W. Middleton
Skipwith Common, Yorks.	1881	H. J. Wilkinson	H. J. Wilkinson
503. <i>Eryngium maritimum</i>, Linn.			
<i>Sandy shores, from Aberdeen, southwards.</i>			
<i>Distrib.</i> Shores of Atlantic, Mediterranean, &c,			
<i>Sp.</i> Hartlepool, Durham	1799	S. Hailstone	S. Hailstone
Blackpool, Lancs.	1801	„	„
On the shore beyond Bootle	1805	„	„
Fleetwood, Lancs.	1842	„	„
Coast of Kent	1806	W. Middleton	W. Middleton
Banks of Humber, Skeffling, E. Yorks.	1893	H. J. Wilkinson	H. J. Wilkinson

	DATE.	COLLECTOR.	HERBARIUM.
504. Eryngium campestre, Linn. <i>Alien.</i>			
<i>Sp.</i> Near Newcastle, Northumberland ...	(1800)	Mr. Winch	Rev. J. Dalton
Near Newcastle ,, ...	1840	J. Storey	S. Hailstone
505. Astrantia major, Linn. <i>Alien.</i>			
<i>Sp.</i> Stokesay Wood, Ludlow, Salop ...	1883	T. Archer Briggs	W. Whitwell
506. Sanicula europæa, Linn. <i>Copses, &c., from Caithness, southwards.</i> <i>Distrib.</i> Europe, Himalaya, North and Tropical Africa.			
<i>Sp.</i> Bingley Woods, Yorks.	1806	S. Hailstone	S. Hailstone
Knaresboro', Yorks.	1790	J. Dalton	Rev. J. Dalton
Castle Howard, Yorks.	1800	W. Middleton	W. Middleton
507. Physospermum commu- tatum, Spreng. <i>Copses, &c., South Devon & Cornwall.</i> <i>Distrib.</i> South of France and Spain.			
<i>Sp.</i> Near Bodmin, Cornwall	(1800)	Sir T. Gage	Rev. J. Dalton
Near Bodmin ,, ...	(1800)	D. Turner	,,
508. Conium maculatum, Linn. <i>River banks, roadsides, &c., from Orkney,</i> <i>southwards.</i> <i>Distrib.</i> Europe, N. Africa, N. and W. Asia.			
<i>Sp.</i> Devil's Ditch, Cambs.	1815	S. Hailstone	S. Hailstone
Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Moat, Scarboro' Castle, Yorks. ...	1800	W. Middleton	W. Middleton
Clifton Ings, York	1900	H. J. Wilkinson	H. J. Wilkinson

**509. *Smyrnum olusatrum*,
Linn.**

*Waste places, amongst ruins, and near
the sea.*

Distrib. From Holland, southwards.

<i>Sp.</i> Castle Hill, Scarboro', Yorks. ...	1813	S. Hailstone	S. Hailstone
Hastings, Sussex	1834	"	"
Tynemouth, Northumberland ...	1809	J. Dalton	Rev. J. Dalton
Rochester Castle, Kent	1800	W. Middleton	W. Middleton

**510. *Bupleurum rotundifolium*
Linn.**

*Chalky fields, &c., from Yorkshire to
Somerset.*

Distrib. Europe, W. Asia.

<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
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**511. *Bupleurum aristatum*,
Bartl.**

Sandy banks, Devon, &c.

Distrib. From France, southwards and
eastwards.

<i>Sp.</i> Park Hill, Torquay, Devon... ..	1848	Miss Griffith	S. Hailstone
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**512. *Bupleurum tenuissimum*
Linn.**

*Salt marshes, &c., from Durham, south-
wards.*

Distrib. Europe, N. Africa, W. Asia.

<i>Sp.</i> Selsey, Sussex	1809	J. Dalton	Rev. J. Dalton
Hastings ,, ...	1830	S. Hailstone	S. Hailstone
Yarmouth, Norfolk	1800	J. Dalton	Rev. J. Dalton

513. Bupleurum falcatum,
Linn. Alien.

Hedgerows, &c., Surrey and Essex.

Distrib. From Belgium, southwards.

<i>Sp.</i> Chelmsford, Essex	1842	J. Ray	S. Hailstone
Ongar ,, ...	1848	G. E. Dennes	„

514. Trinia vulgaris, Linn.

Limestone rocks, South Devon and North Somerset.

Distrib. From Belgium, southwards.

<i>Sp.</i> St. Vincent's Rocks, Bristol, Glosters.	1840	G. H. K. Thwaites	S. Hailstone
St. Vincent's Rocks ,, ,,	1840	Dr. Woods	„
St. Vincent's Rocks ,, ,,	1883	H. Fisher	H. J. Wilkinson

515. Apium graveolens, Linn.

Marshy places by the sea, &c., from Perth, southwards.

Distrib. Europe, N. Africa, W. Asia.

<i>Sp.</i> Ditches at Coatham, Yorks. ...	1799	S. Hailstone	S. Hailstone
Ditches at Marske ,, ...	1799	„	„
Hambleton Dike, between Monk			
Fryston and Selby, Yorks. ...	1807	„	„
Kent 	1810	W. Middleton	W. Middleton
Banks of the Humber, Skeffling,			
S. Yorks.... 	1893	H. J. Wilkinson	H. J. Wilkinson

516. Apium nodiflorum,
Reichb.

Marshy places, from the Clyde, southwards

Distrib. Belgium, southwards, N. and W. Asia.

<i>Sp.</i> Coatham, N.E. Yorks.	1799	S. Hailstone	S. Hailstone
Holgate, York 	1800	„	„
Bottisham, Cambs.	1843	„	„
Scarboro', Yorks.	1813	W. Middleton	W. Middleton
Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton

	DATE.	COLLECTOR.	HERBARIUM.
517. <i>Apium nodiflorum</i>. <i>Var. repens</i> (Koch.)			
<i>Sp.</i> Haddington, Scotland	1839	W. H. Campbell	S. Hailstone
518. <i>Apium nodiflorum</i>. <i>Var. ochreatum</i> (D.C.)			
<i>Sp.</i> Haxey, Lincolnshire	1863	G. Webster	H. J. Wilkinson
519. <i>Apium inundatum</i>, Reichb.			
<i>Wet places, from Orkney, southwards.</i>			
<i>Distrib.</i> From Goathland, southwards.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Pond, Dringhouses, York	1806	S. Hailstone	S. Hailstone
Strensall, York	1800	W. Middleton	W. Middleton
520. <i>Cicuta virosa</i>, Linn.			
<i>Banks of rivers, &c., Forfar to Somerset.</i>			
<i>Distrib.</i> N. and Mid. Europe (Arctic), N. Asia.			
<i>Sp.</i> Prickwillow Bridge, Ely, Cambs. ...	1786	Dr. Goodenough	Rev. J. Dalton
Yarmouth, Norfolk	1800	J. Dalton	"
Yarmouth ,, ...	1843	Mr. Fitt	S. Hailstone
521. <i>Carum verticillatum</i>, Koch.			
<i>Meadows, &c., from Argyll to Cornwall.</i>			
<i>Distrib.</i> West Europe, from Holland, southwards.			
<i>Sp.</i> Cornwall	1809	D. Turner	S. Hailstone
Loch Lomond, Scotland	1806	J. Dalton	Rev. J. Dalton
522. <i>Carum segetum</i>, Benth.			
<i>Hedgebanks, &c., from York, southwards.</i>			
<i>Distrib.</i> W. Europe.			
<i>Sp.</i> Cornfields, near Hull, Yorks. ...	1800	W. Brunton	Rev. J. Dalton

	DATE.	COLLECTOR.	HERBARIUM.
523. Carum carui, Linn. Alien.			
<i>Sp.</i> By the roadside, near Sawley Moor,			
Ripen, Yorks.	1796	W. Brunton	Rev. J. Dalton
Grantley, Ripon, Yorks.	1790	J. Dalton	,,
524. Sison amomum. Linn.			
<i>Hedgebanks, &c., from York, southwards.</i>			
<i>Distrib.</i> W. Europe.			
<i>Sp.</i> Grantchester Mill, Camb.	1839	S. Hailstone	S. Hailstone
Pevensey Castle, Sussex	1843	,,	,,
525. Sium latifolium, Linn.			
<i>Riversides, &c., from Stirling to Devon.</i>			
<i>Distrib.</i> Europe, N.W. Asia, &c.			
<i>Sp.</i> Moat at York	1800	W. Brunton	S. Hailstone
Foss, Navigation, York (in plenty)...	1786	J. Dalton	Rev. J. Dalton
Huntington, York (River Foss) ...	1881	H. J. Wilkinson	H. J. Wilkinson
526. Sium erectum, Huds.			
<i>Wet places, from Elgin, southwards.</i>			
<i>Distrib.</i> Europe.			
<i>Sp.</i> Grantchester Mill, Camb.	1839	S. Hailstone	S. Hailstone
Milnthorpe, Westmoreland	1801	,,	,,
Boroughbridge, Yorks.	1790	J. Dalton	Rev. J. Dalton
River Foss, York	1881	H. J. Wilkinson	H. J. Wilkinson
527. Ægopodium podagraria, Linn.			
<i>Waste places, from Elgin, southwards.</i>			
<i>Distrib.</i> N. and Mid. Europe, W. Asia.			
<i>Sp.</i> Near the Public House called "Four Ashes," Horton Lane, Bradford, Yorks.	1807	S. Hailstone	S. Hailstone
Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton

**528. Pimpinella saxifraga,
Linn.**

Dry pastures, from Sutherland, southwards.

Distrib. Europe (Arctic), N. & W. Asia.

<i>Sp.</i> Pennyocks and other places about	
Bradford, Yorks....	...
Field beyond North Street Postern,	
York ...	...
Croft, N. Yorks. ...	...

DATE.	COLLECTOR.	HERBARIUM.
1800	S. Hailstone	S. Hailstone
1811	"	"
1830	J. Dalton	Rev. J. Dalton

529. Pimpinella major, Huds.

Hedgerows, waste places, Perth, southwards.

Distrib. N. & Mid. Europe, Caucasus.

<i>Sp.</i> Copgrove, Yorks. ...	...
Under the Walls of York ...	...
Burnley, Lancs. ...	...
Clifton, York ...	...

1790	J. Dalton	Rev. J. Dalton
1806	S. Hailstone	S. Hailstone
1810	"	"
1881	H. J. Wilkinson	H. J. Wilkinson

**530. Conopodium denudatum
Koch.**

Woods and fields, Shetland to Channel Islands.

Distrib. W. Europe.

<i>Sp.</i> York ...	...
Heslington, Yorks. ...	...
Copgrove ,, ...	...
Poppleton ,, ...	...

1803	S. Hailstone	S. Hailstone
1800	W. Middleton	W. Middleton
1790	J. Dalton	Rev. J. Dalton
1881	H. J. Wilkinson	H. J. Wilkinson

531. Myrrhis odorata, Scop.

Pastures, &c., from South Wales to Caithness.

Distrib. From France, S. and E. to Caucasus.

<i>Sp.</i> Knaresboro', Yorks. ...	...
Gilla Leys, Castle Howard, Yorks....	...
Eskdale, N.E. Yorks. ...	...
Thorp Arch ,, ...	...

1790	J. Dalton	Rev. J. Dalton
1840	R. Spruce	H. J. Wilkinson
1800	W. Middleton	W. Middleton
1840	S. Hailstone	S. Hailstone

	DATE.	COLLECTOR.	HERBARIUM.
532. Chærophylum temulum, Linn.			
<i>Fields and waste places, from Caithness, southwards.</i>			
<i>Distrib.</i> Europe, Caucasus, N. Africa.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
York	1806	W. Middleton	W. Middleton
Thorp Arch, Yorks....	1840	S. Hailstone	S. Hailstone
533. Scandix pecten-veneris, Linn.			
<i>A cornfield weed, from Caithness, south- wards.</i>			
<i>Distrib.</i> Europe, N. Africa, W. Asia.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Heslington „	1806	W. Middleton	W. Middleton
Thorp Arch „	1840	S. Hailstone	S. Hailstone
534. Anthriscus vulgaris, Pers			
<i>Hedgebanks, &c., Shetland to Channel Islands.</i>			
<i>Distrib.</i> Europe, N. Africa, Siberia.			
<i>Sp.</i> Ripon, Yorks.	1800	W. Brunton	S. Hailstone
Copgrove „	1790	J. Dalton	Rev. J. Dalton
535. Anthriscus sylvestris, Hoffm.			
<i>Hedgebanks, &c., Shetland to Channel Islands.</i>			
<i>Distrib.</i> Europe (Arctic), Caucasus, N. Asia.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Thorp Arch „	1840	S. Hailstone	S. Hailstone
536 Anthriscus cerefolium, Hoffm. Alien.			
<i>Sp.</i> Whalley Abbey, Lancs.	1807	S. Hailstone	S. Hailstone

537. *Seseli libanotis*, Koch.*Chalk hills, &c., Sussex, Cambridge, &c.**Distrib.* Europe (Arctic), W. Asia.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Hinton, Cambs.	1786	J. Dalton	Rev. J. Dalton
Hinton ,, ...	1830	Prof. Henslow	„
Gogmagog Hills, Cambs.	1840	S. Hailstone	S. Hailstone

538. *Fœniculum officinale*, All.*Sea cliffs, &c., North Wales, Norfolk, and Cornwall.**Distrib.* From Belgium, southwards, N. Africa.

<i>Sp.</i> Near Carnarvon, Wales	1840	S. Hailstone	S. Hailstone
Burgh Castle, Suffolk	1840	„	„
Southwick, Sussex	1810	J. Dalton	Rev. J. Dalton
Kent	1804	W. Middleton	W. Middleton
Burwell Pit, Cambs... ..	1830	J. Dalton	Rev. J. Dalton

**539. *Crithmum maritimum*,
Linn.***Maritime rocks, from Ayr, southwards.**Distrib.* Coasts of N. Atlantic, Mediterranean, &c.

<i>Sp.</i> Dover Cliffs, Kent	1806	D. Turner	Rev. J. Dalton
Torquay, Devon	1826	J. Dalton	„
Hastings, Sussex	1830	S. Hailstone	S. Hailstone

540. *Oenanthe fistulosa*, Linn.*Ditches, &c., from Ayr, southwards.**Distrib.* Europe, N. Africa, W. Asia.

<i>Sp.</i> Knavesmire, York	1806	S. Hailstone	S. Hailstone
Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Clifton Ings, York	1881	H. J. Wilkinson	H. J. Wilkinson

	DATE.	COLLECTOR.	HERBARIUM.
541. <i>Oenanthe pimpinelloides</i>, Linn. <i>Meadows and banks, from Worcester to Cornwall.</i> <i>Distrib.</i> Europe, from Belgium, south- wards. <i>Sp.</i> Christchurch, Hants	1885	H. Fisher	H. J. Wilkinson
542. <i>Oenanthe peucedanifolia</i>, Poll. <i>Moist meadows and ditches, Notts to Kent.</i> <i>Distrib.</i> S. Europe to the Caspian. <i>Sp.</i> Godalming, Surrey	1847	J. D. Salmon	S. Hailstone
543. <i>Oenanthe lachenalii</i>, Gmel. <i>Marshes, from Argyll, southwards.</i> <i>Distrib.</i> From Denmark, southwards. <i>Sp.</i> Copgrove, Yorks. (sub-nom <i>pimpinelloides</i>) Yarmouth, Norfolk Sutton Wharf, Leicestershire	1790 1840 (1840)	J. Dalton J. Fitt Rev. A. Bloxam	Rev. J. Dalton S. Hailstone „
544. <i>Oenanthe crocata</i>, Linn. <i>Marshes and ditches, from Ross, south- wards.</i> <i>Distrib.</i> From France to Spain. <i>Sp.</i> Eccleshill Leeds & Liverpool Canal, near Silsden, Yorks. Adel, near Leeds, Yorks.	1800 1831 1884	S. Hailstone „ W. Kirkby	S. Hailstone „ H. J. Wilkinson

**545. *Oenanthe phellandrium*,
Lamk.**

Ponds and ditches, Haddington, southwards.

Distrib. Europe and Siberia.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Scarboro' ,, ...	1813	S. Hailstone	S. Hailstone
York	1800	W. Middleton	W. Middleton
In the River Foss, Huntingdon, York	1881	H. J. Wilkinson	H. J. Wilkinson

546. *Æthusa cynapium*, Linn.

A weed in cultivated ground.

Distrib. Europe and Siberia.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> York	1786	J. Dalton	Rev. J. Dalton
Heslington, Yorks.	1803	S. Hailstone	S. Hailstone
Strensall ,, ...	1806	W. Middleton	W. Middleton

547. *Silaus pratensis*, Besser.

Meadows, &c., from Fife to Kent.

Distrib. Finland to Hungary.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Coatham, N.E. Yorks.	1799	S. Hailstone	S. Hailstone
Copgrove ,, ...	1790	J. Dalton	Rev. J. Dalton
Gargrave, Skipton ,, ...	1806	S. Hailstone	S. Hailstone
Clifton Ings, York	1837	O. A. Moore	Moore

**548. *Meum athamanticum*,
Jacq.**

Alpine pastures, from Wales and Yorkshire to Ab rdeu.

Distrib. Mountains of West Europe.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Westmoreland	1808	J. Dalton	Rev. J. Dalton
Bracmar, Aberdeen... ..	1830	Dr. Greville	„

	DATE.	COLLECTOR.	HERBARIUM.
549. <i>Ligusticum scoticum</i>, Linn.			
<i>Rocky coasts, Shetland to Northumberland.</i>			
<i>Distrib.</i> Europe (Arctic), from Denmark, southwards.			
<i>Sp.</i> Queensferry, Fifeshire	1809	W. J. Hooker	Rev. J. Dalton
550. <i>Angelica sylvestris</i>, Linn.			
<i>Damp copses and banks of streams, Shetland, southwards.</i>			
<i>Distrib.</i> Europe (Arctic), N. & W. Asia.			
<i>Sp.</i> Bottisham, Cambs.	1843	S. Hailstone	S. Hailstone
Copgrove, York	1791	J. Dalton	Rev. J. Dalton
551. <i>Peucedanum officinale</i>, Linn.			
<i>Salt marshes, Kent, Essex, &c.</i>			
<i>Distrib.</i> Belgium, southwards.			
<i>Sp.</i> Faversham, Kent	1838	D. Cooper	S. Hailstone
Whitstable „	1814	J. Dalton	Rev. J. Dalton
552. <i>Peucedanum palustre</i>, Mœench.			
<i>Marshes, York, Lincoln, and Eastern Counties.</i>			
<i>Distrib.</i> Europe, Siberia, &c.			
<i>Sp.</i> Prickwillow, Cambs.	1800	Dr. Goodenough	Rev. J. Dalton
Beverley, Yorks.	1796	Col. Machell	„
Thorne Moor „	1840	O. A. Moore	O. A. Moore
553. <i>Peucedanum ostruthium</i>, Koch.			
<i>Moist meadows (Naturalized).</i>			
<i>Sp.</i> On the left of the road in a small field beyond Middleton, towards Manchester, Lanes.	1806	S. Hailstone	S. Hailstone
Hawes, Wensleydale, Yorks.	1840	J. Backhouse	„

**554. Peucedanum sativum,
Benth.**

Roadsides & waste places (Wild parsnip).

Distrib. Europe, Siberia, &c.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Near Lytham, Lancs.	1800	S. Hailstone	S. Hailstone
Newark, Notts.	1809	"	"
Bottisham, Cambs.	1813	"	"
Summer Castle, Lincolns.	1820	J. Dalton	Rev. J. Dalton

**555. Heracleum sphondylium,
Linn.**

*Moist woods and meadows, from Shetland
to Channel Islands.*

Distrib. Europe, N. Africa.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> York	1806	S. Hailstone	S. Hailstone
Copgrove, York	1790	J. Dalton	Rev. J. Dalton

**556. Tordylium maximum,
Linn. *Alien.***

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Oxford	1800	D. Turner	Rev. J. Dalton

557. Daucus carota, Linn.

Carrot. Fields, roadsides, &c.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Coatham, N.E. Yorks.	1799	S. Hailstone	S. Hailstone
Bramham Moor ,, ...	1840	"	"

**558. Daucus gummifer,
Lamk.**

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Hastings, Sussex	1834	S. Hailstone, jun.	S. Hailstone

559. Caulalis latifolia, Linn.

Cornfields, Cambridge and Somerset.

Distrib. Belgium, southwards, N. & W.
Asia.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Somersetshire	1837	M. B. Ward	S. Hailstone

	DATE.	COLLECTOR.	HERBARIUM.
560. <i>Caucalis daucoides</i>, Linn			
<i>Chalky fields, Durham, Kent, Somerset.</i>			
<i>Distrib.</i> Denmark, southward, N. Africa			
<i>Sp.</i> Tanfield, Yorks.	1803	J. Dalton	Rev. J. Dalton
Cornfields, Hildenley Wood, Yorks...	1809	W. Middleton	W. Middleton
In the hedge by the roadside near the Inn at Barmby Moor, Yorks...	1820	S. Hailstone	S. Hailstone
561. <i>Caucalis arvensis</i>, Huds.			
<i>Fields, waste places, from York, southwards.</i>			
<i>Distrib.</i> Belgium, southward, N. Africa			
<i>Sp.</i> Cornfields, Ripon, Yorks.	1800	W. Brunton	S. Hailstone
Stetchworth, Cambs.	1839	S. Hailstone	„
562. <i>Caucalis anthriscus</i>, Huds.			
<i>Hedges, waste places, from Caithness to Channel Islands.</i>			
<i>Distrib.</i> Europe, N. Africa, W. Asia.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Horton, Bradford, Yorks.	1809	S. Hailstone	S. Hailstone
563. <i>Caucalis nodosa</i>, Scop.			
<i>Dry banks, from Banff, southwards.</i>			
<i>Distrib.</i> Denmark, southwards, West Africa, W. Asia.			
<i>Sp.</i> Coatham, N.E. Yorks.	1799	S. Hailstone	S. Hailstone
Heslington, York	1806	W. Middleton	W. Middleton
Poppleton „	1881	H. J. Wilkinson	H. J. Wilkinson
Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton

CATALOGUE OF BRITISH PLANTS IN THE HERBARIUM
OF THE
YORKSHIRE PHILOSOPHICAL SOCIETY.

PART IX.

COMPILED BY HENRY J. WILKINSON, HON. CURATOR, BOTANY.

ARALIACEÆ.

	DATE.	COLLECTOR.	HERBARIUM.
564. Hedera Helix, Linn. <i>Rocks, woods, &c., from Aberdeen southwards.</i> <i>Distrib.</i> Europe, W. Asia, &c.			
<i>Sp.</i> York	1806	S. Hailstone	S. Hailstone

CORNACEÆ.

565. Cornus suecica, Linn. <i>Alpine Moors, Yorkshire to Sutherland</i> <i>Distrib.</i> N. and Arctic Europe, Asia, &c.			
<i>Sp.</i> Hole of Horcum, Pickering, N.E. Yorks.	1800	W. Brunton	S. Hailstone
Hole of Horcum, Pickering, N.E. Yorks.	1807	W. Middleton	W. Middleton
Hole of Horcum, Pickering, N.E. Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson
Ben Lawers, Perthshire	1809	J. Dalton	Rev. J. Dalton
Cross Cliff, near Hackness, N.E. Yorks.	1863	W. Bean	H. J. Wilkinson

	DATE.	COLLECTOR.	HERBARIUM.
566. <i>Cornus sanguinea</i>, Linn.			
<i>Hedges and thickets from Westmoreland southwards.</i>			
<i>Distrib.</i> Europe, N. and W. Asia, &c.			
<i>Sp.</i> Near Thirsk, Yorkshire	1806	S. Hailstone	S. Hailstone
Whalley, Lancashire	1807	"	"
Langwith, York	1883	H. J. Wilkinson	H. J. Wilkinson

CAPRIFOLIACEÆ.

567. <i>Adoxa moschatellina</i>, Linn.			
<i>Woods and hedgebanks, from Ross southwards.</i>			
<i>Distrib.</i> Europe, N. Asia, N. America.			
<i>Sp.</i> Copgrove, Yorkshire	1790	J. Dalton	Rev. J. Dalton
Foulbridge, near Colne, Lancashire	1807	S. Hailstone	S. Hailstone
Heslington, York	1882	H. J. Wilkinson	H. J. Wilkinson
568. <i>Sambucus nigra</i>, Linn.			
<i>Hedges and thickets from Ross southwards.</i>			
<i>Distrib.</i> Europe, W. Asia, N. Africa.			
<i>Sp.</i> Copgrove, Yorkshire	1790	J. Dalton	Rev. J. Dalton
(<i>var. laciniata</i> , Linn) roadside between Malton and Scarbro', Yorkshire	1809	W. Middleton	W. Middleton
569. <i>Sambucus ebulus</i>, Linn.			
<i>Hedgebanks, &c., from Caithness southwards.</i>			
<i>Distrib.</i> Europe, W. Asia, N. Africa.			
<i>Sp.</i> Leeming Lane, N. Yorkshire ...	1821	J. Dalton	Rev. J. Dalton
Beyond Pierce Bridge (in Durham)	1822	"	"

570. Viburnum opulus, Linn.

Hedges and thickets from Caithness southwards.

Distrib. Europe, N. and W. Asia,
N. America.

<i>Sp.</i>	Heslington, York	1806	W. Middleton	W. Middleton
	Clifton Ings, York	1883	H. J. Wilkinson	H. J. Wilkinson

571. Viburnum lantana, Linn.

Hedges, &c., on calcareous soil from Yorkshire southwards.

Distrib. Belgium southward, N. & W.
Asia.

<i>Sp.</i>	Near Newmarket, Cambs.	1830	J. Dalton	Rev. J. Dalton
	Leigh Woods, Somersetshire	1810	W. Middleton	W. Middleton

572. Linnæa borealis, Gronov

Fir forests, &c., Ross to Yorkshire.

Distrib. Lapland, Arctic, Asia, and
N. America.

<i>Sp.</i>	Clova Mountains, Forfarshire	1837	Dr. Greville	S. Hailstone
	Inglemaldie ,, ...	1838	A. Kenn	„
	Glen Dole ,, ...	1833	Giles Munby	G. Munby
	Fir wood, Inglemaldie, Brechin, Forfarshire	1809	J. Dalton	Rev. J. Dalton
	Morrone Hill, Braemar, Aberdeenshire	1898	F. H. Weekes	F. H. Weekes

**573. Lonicera caprifolium,
Linn.**

*Copses in Cambridge and Oxford.
(Naturalized).*

Distrib. Mid and S. Europe, W. Asia.

<i>Sp.</i>	Ray's field, near Cherry Hinton, Cambs.	1800	J. Dalton	Rev. J. Dalton
	Edinburgh	1833	Giles Munby	Giles Munby

	DATE.	COLLECTOR.	HERBARIUM.
574. <i>Lonicera periclymenium</i>, Linn.			
<i>Hedges and thickets, Shetland to Channel Islands.</i>			
<i>Distrib.</i> W. Europe.			
<i>Sp.</i> Copgrove, Yorkshire	1790	J. Dalton	Rev. J. Dalton
Langwith, York	1882	H. J. Wilkinson	H. J. Wilkinson
575. <i>Lonicera Xylosteum</i>, Linn.			
<i>Copses; Sussex, Hertfordshire, &c. (Naturalized).</i>			
<i>Distrib.</i> Europe, N. Asia.			
<i>Sp.</i> Amberley Hacketts, near Arundel, Sussex	1809	J. Dalton	Rev. J. Dalton
Amberley Hacketts, near Arundel, Sussex	1883	Dr. Bromfield	S. Hailstone

RUBIACEÆ.

576. <i>Rubia peregrina</i>, Linn.			
<i>Rocks, copses, &c., near the sea; Sussex, Cornwall.</i>			
<i>Distrib.</i> W. Europe, N.W. Africa.			
<i>Sp.</i> Portland Isle	1830	J. Hailstone	S. Hailstone
Isle of Wight	1840	S. Hailstone junr.	S. Hailstone
Steep Hill, Isle of Wight	1820	W. Middleton	W. Middleton
577. <i>Galium boreale</i>, Linn.			
<i>Rocky and bushy places, Shetland, York, &c.</i>			
<i>Distrib.</i> N. and Mid Europe (Arctic), N. Asia.			
<i>Sp.</i> Kirkby Lonsdale (Westmorland) ...	1820	W. Middleton	W. Middleton
Rocks at the Strid, Bolton Abbey, Yorkshire	1820	S. Hailstone	S. Hailstone
Winch Bridge, Teesdale, Yorks. ...	1822	"	"
Falls of the Clyde, Scotland ...	1829	"	"
Teesdale, Yorkshire, and Durham... Jun.11,1833		Giles Munby	Giles Munby
Cronkley Fell, Teesdale, Yorks. ...	1883	H. J. Wilkinson	H. J. Wilkinson

578. *Galium cruciata*, Scopoli.*Banks and hedges, Hebrides southwards**Distrib.* From Holland southwards,
Siberia, &c.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Copgrove, Yorkshire	1790	J. Dalton	Rev. J. Dalton
Holgate, York	1800	S. Hailstone	S. Hailstone
Heslington, York	1883	H. J. Wilkinson	H. J. Wilkinson

579. *Galium verum*, Linn.*Sandy banks, Shetland southwards.**Distrib.* Enrope, N. Asia, Himalaya.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Copgrove, Yorkshire	1790	J. Dalton	Rev. J. Dalton
York	1806	S. Hailstone	S. Hailstone
Heslington, York	1802	W. Middleton	W. Middleton
Forfar	1846	S. Hailstone	S. Hailstone

580. *Galium erectum*, Huds.*Banks and fields (on chalk), Yorks.,
Kent, Dorset.*

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Hovingham, N. Yorkshire	1883	H. J. Wilkinson	H. J. Wilkinson

581. *Galium mollugo*, Linn.*Hedges and copses, Perth southwards.**Distrib.* Enrope (Arctic), N. Asia.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Tadcaster, Yorkshire	1806	S. Hailstone	S. Hailstone
Greta Bridge, Yorkshire	1822	„	„
Bottisham, Cambs.	1843	„	„
Heslington, York	1830	H. Ibbotson	H. J. Wilkinson
Langwith „	1883	H. J. Wilkinson	H. J. Wilkinson
Snailwell, Cambs.	1806	J. Dalton	Rev. J. Dalton

582. *Galium saxatile*, Linn.*Rocks, heaths, &c., Sutherland to
Channel Islands.**Distrib.* W. Enrope, Iceland to N.
Italy.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Copgrove, Yorkshire	1790	J. Dalton	Rev. J. Dalton
Knavesmire, York	1803	S. Hailstone	S. Hailstone
Langford Moor, Newark, Notts. ...	1806	W. Middleton	W. Middleton
Strensall, York	1883	H. J. Wilkinson	H. J. Wilkinson

583. Galium sylvestre, Poll.

*Dry rocky hills and pastures from
Orkney to Dorset.*

Distrib. Mid & W. Europe, Iceland, &c.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Malham, Yorkshire	1799	S. Hailstone	S. Hailstone
Ingleton ,, ...	1830	O. A. Moore	O. A. Moore
Cronkley Fell, N.W. Yorkshire ...	1883	H. J. Wilkinson	H. J. Wilkinson
Cheddar Pass, Somersetshire ...	1884	H. Fisher	H. J. Wilkinson

584. Galium palustre, Linn.

*Marshes and ditches, Sutherland to
Channel Islands.*

Distrib. Europe (Arctic), N. Africa.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Coatham, N.E. Yorkshire	1800	S. Hailstone	S. Hailstone
Loch Lomond (Stirling)	1829	S. Hailstone	„
Copgrove, Yorkshire	1790	J. Dalton	Rev. J. Dalton

585. Galium uliginosum, Linn.

*Marshes and ditches from Caithness
southwards.*

Distrib. North and Mid Europe
(Arctic), N. Asia.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Ripon, Yorkshire	1800	W. Brunton	S. Hailstone
Bottisham Fen, Cambs.	1843	S. Hailstone	„
Langwith, York	1883	H. J. Wilkinson	H. J. Wilkinson

586. Galium anglicum, Huds.

Walls and sandy places, S.E. England.

Distrib. From Holland southwards,
Canaries to Persia.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Norfolk	(1800)	G. Don	S. Hailstone
Norwich, Norfolk	1830	J. Dalton	Rev. J. Dalton

587. Galium Vaillantii, D.C.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Saffron Walden, Essex	1848	G. S. Gibson	S. Hailstone

588. Galium aparine, Linn.

Hedges and waste places, Shetland to Channel Islands.

Distrib. Europe (Arctic), N. Africa, N.W. Asia.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Copgrove, Yorkshire	1790	J. Dalton	Rev. J. Dalton
York	1806	W. Middleton	W. Middleton

589. Galium tricornne, With.

Cultivated fields on chalky soil, from Cumberland southwards.

Distrib. From Holland southwards, N. Africa, &c.

<i>Sp.</i> Thorparch, Yorkshire	May, 1830	S. Hailstone	S. Hailstone
Cornfield, Hildenly Wood, N. Yorks.	1806	W. Middleton	W. Middleton

590. Asperula odorata, Linn.

Hedgebanks and copses, &c., Shetland to Channel Islands.

Distrib. Europe (excl. Spain), N. and W. Asia.

<i>Sp.</i> Bingley, Yorkshire	1806	S. Hailstone	S. Hailstone
Malham Cove, Yorkshire	1832	"	"
Studley, Ripon ,, ...	1790	Rev. J. Dalton	Rev. J. Dalton
Helmsley, N. Yorkshire	1883	H. J. Wilkinson	H. J. Wilkinson

591. Asperula arvensis, Linn.

Alien.

<i>Sp.</i> Devonport	(1810)	W. J. Hooker	Rev. J. Dalton
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592. Asperula cynanchia, Linn.

Dry banks, from Westmoreland and York southwards.

Distrib. Holland to N. Africa, N.W. Asia.

<i>Sp.</i> Bramham, Yorkshire	1830	S. Hailstone	S. Hailstone
Knaresboro' ,, ...	"	"	"
Ripon ,, ...	1800	W. Brunton	"
Ripon ,, ...	1800	J. Dalton	Rev. J. Dalton
Huddleston Quarry, N.W. Yorks....	1883	H. J. Wilkinson	H. J. Wilkinson
Knaresboro', Yorkshire	1900	H. Fisher	"

593. *Sherardia arvensis*, Linn.*Fields and waste places, Caithness to Channel Islands.**Distrib.* Europe, N. Asia, &c.

<i>Sp.</i> Kirkstall Bridge, Leeds, Yorkshire	}	1804	S. Hailstone	S. Hailstone
In the fields at the Cliff and near Bolton (Bradford, Yorkshire) ...				
Copgrove, Yorkshire		1790	J. Dalton	Rev. J. Dalton
Heslington, York		1820	W. Middleton	W. Middleton

DATE.

COLLECTOR.

HERBARIUM.

VALERIANÆ.**594. *Valeriana dioica*, Linn.***Wet meadows and swampy places, Fife to Cornwall.**Distrib.* N. and Mid Europe, Himalaya.

<i>Sp.</i> Thorparch, Yorkshire	1849	S. Hailstone	S. Hailstone
Shipley ,, ...	1806	„	„
Copgrove ,, ...	1790	J. Dalton	Rev. J. Dalton
Heslington ,, ...	1800	W. Middleton	W. Middleton

S. Hailstone

S. Hailstone

„

„

J. Dalton

Rev. J. Dalton

W. Middleton

W. Middleton

**595. *Valeriana officinalis*,
Linn.***Wet meadows and banks of streams, Orkney to Channel Islands.**Distrib.* Europe (Arctic), N. and W. Asia.

<i>Sp.</i> Thorparch, Yorkshire.	1840	S. Hailstone	S. Hailstone
Copgrove ,, '	1790	J. Dalton	Rev. J. Dalton

S. Hailstone

S. Hailstone

J. Dalton

Rev. J. Dalton

**596. *Valeriana pyrenaica*,
Linn.***(alien.) Naturalized in plantations.*

<i>Sp.</i> Edinburgh	1833	Giles Munby	Giles Munby
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1833

Giles Munby

Giles Munby

597. *Centranthus ruber*, D.C.*Old walls and chalk pits (naturalized)*

<i>Sp.</i> Kent	(1800)	W. J. Hooker	Rev. J. Dalton
Near Dover, Kent	(1800)	D. Turner	„

(1800)

W. J. Hooker

Rev. J. Dalton

(1800)

D. Turner

„

598. Valerianella olitoria,
Moench.

Cornfields and hedgebanks, Shetland to Channel Islands.

Distrib. Europe, N. Africa, N. Asia.

Sp. Cliff fields and Bolton fields, near

Bradford, Yorkshire

Boston Spa, Yorkshire

Hastings, Sussex

Copgrove, Yorkshire

DATE.

COLLECTOR.

HERBARIUM.

1804

S. Hailstone

S. Hailstone

1832

,,

,,

1832

,,

,,

1790

J. Dalton

Rev. J. Dalton

599. Valerianella carinata,
Loisel.

Cultivated ground (Naturalized.)

Sp. Longlane, Church Stretton, Shropshire

Copgrove, Yorkshire

(*sub nom dentata*).

(1844)

W. R. Crotch

S. Hailstone

1790

J. Dalton

Rev. J. Dalton

600. Valerianella auricula,
D.C.

Cornfields, &c., Fife southwards
(*Colonist?*)

Sp. Croft, North Yorkshire

1830

J. Dalton

Rev. J. Dalton

601. Valerianella dentata,
Poll.

Cornfields from Lanark southwards
(*Colonist?*).

Sp. Hastings, Sussex

(*sub nom F. auricula*)

Copgrove, Yorkshire

1834

S. Hailstone

S. Hailstone

1790

J. Dalton

Rev. J. Dalton

DIPSACEÆ.

602. Dipsacus sylvestris,
Linn.

Copses & hedges from Perth southwards.

Distrib. From Denmark southwards.

Sp. Saltburn, N.E. Yorkshire

Grantchester, Cambs.

Retford

Skeffling, S.E. Yorkshire

1799

S. Hailstone

S. Hailstone

1840

,,

,,

1820

W. Middleton

W. Middleton

1893

H. J. Wilkinson

H. J. Wilkinson

	DATE.	COLLECTOR.	HERBARIUM.
603. <i>Dipsacus pilosus</i>, Linn.			
<i>Moist hedges and banks, Yorkshire to Devon, &c.</i>			
<i>Distrib.</i> N. and Mid Europe.			
<i>Sp.</i> Ulverstone, Lancashire	(1830)	Mr. Hustler	S. Hailstone
Devil's Ditch, Cambs.	(1840)	Miss J. Hailstone	„
604. <i>Scabiosa succisa</i>, Linn.			
<i>Pastures and waysides, Shetland to Channel Islands.</i>			
<i>Distrib.</i> N. and Mid Europe (Arctic), N. Africa.			
<i>Sp.</i> Copgrove, Yorkshire	1790	J. Dalton	Rev. J. Dalton
Thorparch „	1830	S. Hailstone	S. Hailstone
605. <i>Scabiosa columbaria</i>, Linn.			
<i>Dry Pastures and banks, Perth to Channel Islands.</i>			
<i>Distrib.</i> Europe, Mediterranean region.			
<i>Sp.</i> Clitheroe Castle, Lancashire ...	1808	S. Hailstone	S. Hailstone
Bridlington, Yorkshire	1820	„	„
Copgrove „	1790	J. Dalton	Rev. J. Dalton
Heslington, York	1883	H. J. Wilkinson	H. J. Wilkinson
606. <i>Scabiosa arvensis</i>, Linn.			
<i>Dry banks and fields, Orkney to Channel Islands.</i>			
<i>Distrib.</i> Europe (Arctic), Caucasus.			
<i>Sp.</i> Copgrove, Yorkshire	1790	J. Dalton	Rev. J. Dalton
Heslington, York	1820	W. Middleton	W. Middleton

CATALOGUE OF BRITISH PLANTS IN THE HERBARIUM

OF THE

YORKSHIRE PHILOSOPHICAL SOCIETY,

PART X.

COMPILED BY HENRY J. WILKINSON, HON. CURATOR, BOTANY.

COMPOSITÆ.

	DATE.	COLLECTOR.	HERBARIUM.
607. Eupatorium cannabinum, Linn.			
<i>Banks of rivers and streams, from Sutherland to Channel Islands.</i>			
<i>Distrib.</i> Europe, N.&W. Asia, N. Africa.			
<i>Sp.</i> Knaresborough, Yorks.	1790	J. Dalton	Rev. J. Dalton
Whalley, Lancs.	1807	S. Hailstone	S. Hailstone
Castle Howard, N. Yorks.	1820	W. Middleton	W. Middleton
Kirkham, S.E. Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson
608. Solidago Virgaurea, Linn.			
<i>Rocky banks, from Sutherland to Channel Islands.</i>			
<i>Distrib.</i> Europe (Arctic), N. Asia, N. America.			
<i>Sp.</i> Near Bradford, Yorks.	1799	S. Hailstone	S. Hailstone
Thorparch ,, ...	1830	„	„
Ingleborough ,, ...	1806	J. Dalton	Rev. J. Dalton
Coneysthorpe Bank, N. Yorks.	1796	R. Teesdale	„

609. *Bellis perennis*, Linn.*Pastures and meadows, &c., from Shetland to Channel Islands.**Distrib.* Europe (exclusive N. Russia).

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Clifton Ings, York	1883	H. J. Wilkinson	H. J. Wilkinson

610. *Aster tripolium*, Linn.*Salt marshes, &c., from Sutherland to Channel Islands.**Distrib.* Europe (Arctic), N. & W. Asia.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Coatham, N.E. Yorks.	1799	S. Hailstone	S. Hailstone
Blackpool, Lanes.	1801	"	"
Yarmouth, Norfolk	1843	"	"
Llanfaglan, Carnarvon	1801	"	"
Whitby, N.E. Yorks.	1820	W. Middleton	W. Middleton
Bristol, Glos.	1826	"	"
Coatham, N.E. Yorks.	1820	J. Dalton	Rev. J. Dalton
Skeffling, S.E. ,, ...	1893	H. J. Wilkinson	H. J. Wilkinson

611. *Aster Linosyris*, Bernh.*Limestone cliffs, N. Somerset to Carnarvon.**Distrib.* From Baltic, southwards, and N. Africa.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Devonshire	(1830)	Dr. Emerson	S. Hailstone
North Wales	(1830)	G. A. Walker-Arnott	"

**612. *Erigeron canadense*,
Linn. *Alien.****Waste places. Introd. from America.*

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> A little below the bridge, Neath, Glamorgans.	1808	W. Middleton	W. Middleton

613. *Erigeron acre*, Linn.*Dry banks, &c. Forfar to Channel Islands.**Distrib.* Europe (Arctic), N. Asia.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Bramham, Yorks.	1801	S. Hailstone	S. Hailstone
Heslington Fields, York	1801	"	"
Bootle, Lanes.	1801	"	"
Dullingham, Cambs.	1813	"	"
Knaresborough, Yorks.	1790	J. Dalton	Rev. J. Dalton
Malton & Grimston, Yorks.	1837	R. Spruce	H. J. Wilkinson
Micklefield, Yorks.	1883	H. J. Wilkinson	"

614. Erigeron alpinum, Linn.*Alpine rocks. Clova Mts., &c.**Distrib.* Alps & Arctic regions, Europe, Asia, &c.

<i>Sp.</i> Canlochen, Glen, Scotland	1848	J. Backhouse, Jr.	S. Hailstone
Clova Mts., Forfars.... ..	1809	J. Dalton	Rev. J. Dalton
Glen Isla ,, ...	1833	Dr. Balfour	S. Hailstone

615. Filago germanica, Linn.*Dry pastures and banks. Ross to Channel Islands.**Distrib.* Gothland, southwards, N. & W. Asia.

<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Heslington ,, ...	1806	W. Middleton	W. Middleton
Esher, Surrey	1848	H. C. Watson	S. Hailstone
Langwith, S.E. Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson

616. Filago spathulata, Presl.*Dry Places. Lincoln, Dorset, Kent, &c.*

<i>Sp.</i> Walton, Surrey	1848	H. C. Watson	S. Hailstone
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617. Filago minima, Fries.*Dry sandy places. Ross to Channel Islands.**Distrib.* Europe, N. Africa, N. Asia.

<i>Sp.</i> Ulverstone, Lanes.	1804	S. Hailstone	S. Hailstone
Baildon Moor, Yorks... ..	1810	„	„
Trumpington, Cambs.	1839	„	„
Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton

618. Filago gallica, Linn.*Alien.**Sandy fields. Essex, &c.**Distrib.* Denmark, southw'ds, N. Africa.

<i>Sp.</i> Cornfields, Berechurch, Essex	1849	E. G. Varenne	S. Hailstone
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619. Antennaria margaritacea, Br. Alien.*Moist meadows, &c.**Distrib.* N. America.

<i>Sp.</i> From the side of the river Rumney, 1½ mile from Caerphilly Castle, Glamorgans.	1808	W. Middleton	W. Middleton
Swanssea, Glamorgans.	1820	J. Dalton	Rev. J. Dalton
Fields, near Skipton, Yorks.... ..	1840	J. Tatham	Walker

620. *Antennaria dioica*, R.Br.*Heaths and pastures, from Shetland to Channel Islands.**Distrib.* Europe, N. Asia, N. America.*Sp.* Plentifully on the hills near Hebden

Bridge, Yorks. 1800

Thorparch „ 1848

Near Tadcaster, Yorks. 1840

Windermere 1806

Widdy Bank, Durham 1883

Cronkley Fell, Yorks. 1883

DATE.

COLLECTOR.

HERBARIUM.

S. Hailstone

S. Hailstone

„

„

O. A. Moore

Moore

J. Dalton

Rev. J. Dalton

H. J. Wilkinson

H. J. Wilkinson

„

„

**621. *Gnaphalium uliginosum*,
Linn.***Wet sandy places. Shetland to Channel Islands.**Distrib.* Europe (Arctic), N. America.*Sp.* Hastings, Sussex 1834

Langwith, S.E. Yorks. 1883

Copgrove, Yorks. 1790

S. Hailstone

S. Hailstone

H. J. Wilkinson

H. J. Wilkinson

J. Dalton

Rev. J. Dalton

**622. *Gnaphalium luteo-album*,
Linn. *Alien.****Light sandy fields. Norfolk to Sussex.**Sp.* Guernsey 1859

A. M. Norman

H. J. Wilkinson

**623. *Gnaphalium sylvaticum*,
Linn.***Woods, heaths, and pastures, from Shetland to Channel Islands.**Distrib.* Europe (Arctic), N. & W. Asia.*Sp.* Tarn Lane, Giggleswick, Yorks. 1830

Near Melrose, Roxburghs. 1829

Copgrove, Yorks. 1790

Braemar, Aberdeens.... 1842

Riccail, S.E. Yorks. 1883

S. Hailstone

S. Hailstone

„

„

J. Dalton

Rev. J. Dalton

J. H. Balfour

Walker

H. J. Wilkinson

H. J. Wilkinson

**624. *Gnaphalium supinum*,
Linn.***Alpine and sub-alpine rocks. Scotland.**Distrib.* Europe, N. America, &c.*Sp.* Ben Lawers, Perthshire... .. 1809

Ben Lawers „ 1810

Ben Lomond, Sterlings. 1829

Clova Mts., Forfars. 1842

W. J. Hooker

Rev. J. Dalton

J. Dalton

„

S. Hailstone

S. Hailstone

J. H. Balfour

Walker

625. *Inula Helenium*, Linn.*Alien.**Moist hilly pastures and river banks.
Ross to Channel Islands.*

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Furness Abbey, Lanes.	1804	S. Hailstone	S. Hailstone
Aber, N. Wales	1808	"	"
Mowthorpe, Castle Howard, Yorks. ...	1883	H. J. Wilkinson	H. J. Wilkinson

626. *Inula conyza*, D.C.*On calcareous soil. Westmoreland to
Channel Islands.**Distrib.* Denmark, southwards, W. Asia.

<i>Sp.</i> Between Lytham & Blackpool, Lanes.	1808	S. Hailstone	S. Hailstone
Carnarvon, N. Wales	1808	"	"
Arundel Castle, Sussex	(1800)	W. Middleton	W. Middleton
Snailwell, Cambs.	1880	J. Dalton	Rev. J. Dalton
Huddleston Quarry, Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson

627. *Inula crithmoides*, Linn.*Maritime marshes and rocks. Essex
to Cornwall.**Distrib.* W. Coast from Belgium, south-
wards.

<i>Sp.</i> Rocks in Kilkenny Bay, Ireland ...	1831	J. Howson	S. Hailstone
Isle of Wight... ..	1826	J. Dalton	Rev. J. Dalton
Isle of Portland	1884	E. M. Holmes	H. J. Wilkinson

**628. *Pulicaria dysenterica*,
Gærtn.***Moist places. Haddington to Channel
Islands.**Distrib.* Denmark, southw'ds, N. Africa.

<i>Sp.</i> Coatham, N.E. Yorks.	1799	S. Hailstone	S. Hailstone
Blackpool, Lanes.	1799	"	"
Clifton, Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson

629. *Pulicaria vulgaris*, Gærtn.*Moist sandy places. Wales, Norfolk,
and Cornwall.**Distrib.* Gothland, southw'ds, N. Africa,
N. & W. Asia.

<i>Sp.</i> Southampton, Hants.	1840	S. Hailstone, Jr.	S. Hailstone
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630. *Bidens cernua*, Linn.

Watery places, from Dumbarton, southwards.

Distrib. Europe, N. and W. Asia, N. America.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Ripon, Yorks... ..	1790	J. Dalton	Rev. J. Dalton
Milnthorpe Marshes, Westmoreland...	1804	S. Hailstone	S. Hailstone
Coatham, N.E. Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson

631. *Bidens tripartita*, Linn.

Riversides and moist places. Elgin, southwards.

Distrib. Europe (Arctic), N. Africa.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Borobridge „	1799	S. Hailstone	S. Hailstone
Skipwith, S.E. Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson

632. *Achillea millefolium*, Linn.

Pastures, &c. Shetland to Channel Islands.

Distrib. Europe (Arctic), N. & W. Asia.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Thorparch „	1830	S. Hailstone	S. Hailstone
Clifton Ings, York	1883	H. J. Wilkinson	H. J. Wilkinson

633. *Achillea ptarmica*, Linn.

Meadows, &c. Shetland, southwards.

Distrib. Europe, Asia Minor, &c.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Clifton Ings, York	1883	H. J. Wilkinson	H. J. Wilkinson

634. *Diotis maritima*, Cass.

Sandy shores. Suffolk, Kent, & Cornwall.

Distrib. Shores of Mediterranean, &c.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Dunwich, Suffolk	(1800)	D. Turner	Rev. J. Dalton
Dunwich „	1830	Prof. Henslow	„
Dunwich „	1846	H. Ibbotson	H. J. Wilkinson

635. *Anthemis tinctoria*, Linn.*Alien.*

In a lane leading out of the public road in Gorleston, Suffolk, nearly opposite to the bridge. (Introduced by Dawson Turner)

Near Ripon, Yorks.

DATE.

COLLECTOR.

HERBARIUM.

(1830)

S. Hailstone

S. Hailstone

(1800)

W. Brunton

Rev. J. Dalton

636. *Anthemis cotula*, Linn.*Colonist.**Cultivated fields, &c.**Distrib.* Europe, N. & W. Asia, &c.

Sp. Knaresborough, Yorks.

1791

J. Dalton

Rev. J. Dalton

Skipwith, S.E. Yorks.

1883

H. J. Wilkinson

H. J. Wilkinson

637. *Anthemis arvensis*, Linn.*Colonist.**Fields and waste places.**Distrib.* Europe, N. Africa, W. Asia.

Sp. Hastings, Sussex

(1840)

Dr. Bromfield

S. Hailstone

Copgrove, Yorks.

1790

J. Dalton

Rev. J. Dalton

638. *Anthemis nobilis*, Linn.*A Casual.**Pastures and dry soils.*

Sp. Adrigole, co. Cork

1894

R. A. Phillips

H. J. Wilkinson

Sankey Green, Warrington, Lanes. ...

1830

J. Dalton

Rev. J. Dalton

639. *Chrysanthemum segetum*, Linn. *Colonist.**Fields and waste places.*

Sp. Cornfields, Bingley & Keighley, Yorks.

1806

S. Hailstone

S. Hailstone

Copgrove, Yorks.

1790

J. Dalton

Rev. J. Dalton

Skipwith, S.E. Yorks.

1883

H. J. Wilkinson

H. J. Wilkinson

640. *Chrysanthemum Leucanthemum*, Linn.

Meadows, &c. Shetland to Channel Islands.

Distrib. Europe (Arctic), N. & W. Asia.

Sp. Copgrove, Yorks.

1790

J. Dalton

Rev. J. Dalton

Clifton Ings, York

1883

H. J. Wilkinson

H. J. Wilkinson

641. Chrysanthemum parthenium, Pers.

A Denizen.

Hedge banks, &c.

<i>Sp.</i> Ripon, Yorks.	1790	J. Dalton	Rev. J. Dalton
Thorparch ,, ...	1830	S. Hailstone	S. Hailstone

642. Matricaria inodora, Linn.

Fields, &c., from Shetland to Channel Islands.

Distrib. Europe (Arctic), N. & W. Asia.

<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Riccall, S.E. Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson

(*Var. Salina, Bob.*)

<i>Sp.</i> Flamborough, Yorks.... ..	1798	R. Teesdale	Rev. J. Dalton
Between Whitburn & Shields, Durham	1806	J. Dalton	,,
Bootle, Lancs.	1799	S. Hailstone	S. Hailstone
Sussex coast	1810	W. Middleton	W. Middleton

643. Matricaria Chamomilla, Linn. Colonist.

Cultivated fields.

<i>Sp.</i> Knaresborough, Yorks.	1791	J. Dalton	Rev. J. Dalton
Langwith, S.E. Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson

644. Tanacetum vulgare, Linn.

Waste places, &c., from Shetland to Channel Islands.

Distrib. Europe (Arctic), N.W. America.

<i>Sp.</i> Pool, near Otley, Yorks.	1807	S. Hailstone	S. Hailstone
Knottingley, Yorks.	1807	,,	,,
Copgrove ,, ...	1790	J. Dalton	Rev. J. Dalton
Clifton Ings, York	1883	H. J. Wilkinson	H. J. Wilkinson

645. Artemisia absinthium, Linn.

Waste places, &c., from Shetland to Channel Islands.

Distrib. Europe, N. Africa, N. and W. Asia.

<i>Sp.</i> Aber, N. Wales	1808	S. Hailstone	S. Hailstone
Near Beroughbridgo, Yorks.... ..	1790	J. Dalton	Rev. J. Dalton
Knaresborough ,, ...	1900	H. Fisher	H. J. Wilkinson

	DATE.	COLLECTOR.	HERBARIUM.
646. <i>Artemisia vulgaris</i>, Linn.			
<i>Hedge banks, &c., from Shetland to Channel Islands.</i>			
<i>Distrib.</i> Europe (Arctic), N. Africa, N. & W. Asia.			
<i>Sp.</i> Gargrave, near Skipton, Yorks. ...	1800	S. Hailstone	S. Hailstone
Aber, N. Wales	1808	"	"
Burgh Castle, Yarmouth	1843	"	"
Clifton Ings, York.	1883	H. J. Wilkinson	H. J. Wilkinson
647. <i>Artemisia campestris</i>, Linn.			
<i>Sandy heaths, &c. Norfolk & Suffolk.</i>			
<i>Distrib.</i> Europe, temporary Asia.			
<i>Sp.</i> Icklingham, Suffolk	(1800)	Sir T. Cullum	Rev. J. Dalton
Thetford	1800	J. Dalton	"
Brandon, Suffolk	1845	B.D. Wardale	S. Hailstone
648. <i>Artemisia maritima</i>, Linn.			
<i>Salt marshes and ditches. Aberdeen to Channel Islands.</i>			
<i>Distrib.</i> Coasts of Europe, &c.			
<i>Sp.</i> Coatham, N.E. Yorks.	1800	S. Hailstone	S. Hailstone
Hartlepool, Durham	1820	J. Backhouse	"
Yarmouth, Norfolk	1800	J. Dalton	Rev. J. Dalton
Skeffling, S E. Yorks.	1893	H. J. Wilkinson	H. J. Wilkinson
649. <i>Tussilago Farfara</i>, Linn.			
<i>Moist clayey banks, from Shetland to Channel Islands.</i>			
<i>Distrib.</i> Europe (Arctic), N. Africa, &c.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Clifton Ings, York	1883	H. J. Wilkinson	H. J. Wilkinson
650. <i>Petasites fragrans</i>, Presl.			
<i>Sp.</i> Naturalized at Edinburgh	1830	J. Dalton	Rev. J. Dalton
651. <i>Petasites vulgaris</i>, Desf.			
<i>River banks, roadsides, &c. Cornwall to Shetland,</i>			
<i>Distrib.</i> Europe, N. Africa, N. and W. Asia.			
<i>Sp.</i> Near Tanfield, Yorks.	1791	J. Dalton	Rev. J. Dalton
Banks of the Ure, Ripon, Yorks. ...	(1800)	W. Brunton	S. Hailstone
Clifton Ings, York.	1883	H. J. Wilkinson	H. J. Wilkinson

	DATE.	COLLECTOR.	HERBARIUM.
652. <i>Doronicum Pardalianches</i>, Linn. <i>Naturalized in plantations.</i>			
<i>Sp.</i> Harrogate, Yorks.	1810	J. Dalton	Rev. J. Dalton
653. <i>Senecio vulgaris</i>, Linn. <i>Waste places. Shetland to Channel Islands.</i>			
<i>Distrib.</i> Europe (Arctic), N. Africa.			
<i>Sp.</i> Poppleton, Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson
Copgrove ,, ...	1790	J. Dalton	Rev. J. Dalton
654. <i>Senecio sylvaticus</i>, Linn. <i>Dry banks and pastures. Orkney to Channel Islands.</i>			
<i>Distrib.</i> Europe, Siberia.			
<i>Sp.</i> Wakefield, Yorks.	1800	S. Hailstone	S. Hailstone
Bottisham, Cambs.	1845	„	„
Near Manchester, Lanes.	1840	S. Gibson	Walker
Skipwith, S.E. Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson
(<i>Var. lividus</i> , Sm.)			
Sneaton, N.E. Yorks.	1812	W. Middleton	W. Middleton
655. <i>Senecio viscosus</i>, Linn. <i>Waste ground, &c., from Dumbarton to Kent, &c.</i>			
<i>Distrib.</i> Europe, Asia Minor.			
<i>Sp.</i> Between South Shields & Sunderland, Durham	(1800)	Mr. Robson	S. Hailstone
Seaton Carew, Durham	1824	J. Backhouse	„
Yarmouth. (Introduced by Dawson Turner)	1843	S. Hailstone	„
Pilmoor, Yorks.	1891	W. Foggitt	H. J. Wilkiuson
656. <i>Senecio squalidus</i>, Linn. <i>Naturalized on old walls.</i>			
<i>Sp.</i> Walls of Christ Church College, Oxford	1800	W. Middleton	W. Middleton
Oxford	(1800)	Sir J. E. Smith	Rev, J. Dalton
Garden walls opposite the bridge in Gorleston, Suffolk. (Introduced by Dawson Turner)	1843	S. Hailstone	S. Hailstone

657. *Senecio erucifolius*, Linn.*Roadsides and banks. Lanark, southwards.**Distrib.* Gothland, southwards, N. Asia.

<i>Sp.</i> In a lane leading from Bierley to Low Moor, Yorks.	1806	S. Hailstone	S. Hailstone
Bottisham, Cambs.	1843	"	"
Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Skipwith, S.E. Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson

658. *Senecio Jacobæa*, Linn.*Roadsides, &c. Shetland to Channel Islands.**Distrib.* Europe, N. & W. Asia.

<i>Sp.</i> Langwith, S.E. Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson
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659. *Senecio aquaticus*, Huds.*Riversides, ditches, &c. Shetland to Channel Islands.**Distrib.* Europe, N. Africa, Siberia.

<i>Sp.</i> Langwith, S.E. Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson
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**660. *Senecio saracenicus*,
Linn.***Naturalized by riversides, &c.*

<i>Sp.</i> Ingleton, Yorks. (gathered in the same place as mentioned by Sowerby) ...	(1830)	J. Tatham	S. Hailstone
About Bierley, Yorks. (probably an escape from Dr. Richardson's garden)	(1830)	S. Hailstone	"

661. *Senecio paludosus*, Linn.*Fens in Eastern counties of England.**Distrib.* Gothland, southwards.

<i>Sp.</i> Lakenheath Fen, Suffolk	(1800)	J. Dalton	Rev. J. Dalton
Wicken Fen, Cambs.	(1800)	Rev. J. Holme	H. J. Wilkinson

662. *Senecio palustris*, D.C.*Fens in Eastern counties of England.**Distrib.* Gothland, France, N. Asia.

<i>Sp.</i> Near Wangford, Suffolk	(1800)	J. Dalton	Rev. J. Dalton
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663. *Senecio campestris*, D.C.

Chalk downs, &c. Yorks., Cambs., and Dorset.

Distrib. Europe (Arctic), to France & Italy, N. America, and N. Asia.

Sp. Devil's Ditch, near the gap upon Newmarket Heath, and abundantly on the Devil's Ditch, near Stetchworth, Cambs.

Icklingham Heath, Suffolk

Devil's Ditch, Cambs... ..

Ancaster, Lincs.

DATE.	COLLECTOR.	HERBARIUM.
1845	S. Hailstone	S. Hailstone
1803	J. Dalton	Rev. J. Dalton
1786	Relhan	"
1886	H. Fisher	H. J. Wilkinson

664. *Carlina vulgaris*, Linn.

Dry fields and sandy places. Arran, southwards.

Distrib. Europe, N. Africa, N. & W. Asia.

Sp. Coatham, N.E. Yorks.

Blackpool, Lanes.

Between Clapham & Ingleton, Yorks.

Micklefield, Yorks.

1799	S. Hailstone	S. Hailstone
1801	"	"
1804	"	"
1883	H. J. Wilkinson	H. J. Wilkinson

665. *Arctium majus*, Schk.

Waste places. Yorkshire, southwards.

Distrib. Europe, N. & W. Asia.

Sp. Castle Howard, Yorks.

1883	H. J. Wilkinson	H. J. Wilkinson
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666. *Arctium minus*, Schk.

Waste places. Orkney to Cornwall.

Distrib. Europe, &c.

Sp. Coatham, Redcar, N.E. Yorks.

Castle Howard, Yorks.

1826	S. Hailstone	S. Hailstone
1883	H. J. Wilkinson	H. J. Wilkinson

**667. *Arctium intermedium*,
Lange.**

Waste places. Yorkshire to Cornwall.

(*A. pubens*, Bab.)

Sp. Halnaby, N. Yorks.

1861	J. G. Baker	H. J. Wilkinson
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668. *Carduus pycnocephalus*, Jacq.

Waste sandy places by the sea, from Forfar, southwards.

Distrib. Europe, from Denmark, southwards.

<i>Sp.</i> Saltburn, N.E. Yorks.	1807	S. Hailstone	S. Hailstone
Hastings, Sussex	1884	"	"
Redcar, N.E. Yorks.... ...	1800	J. Dalton	Rev. J. Dalton
<i>(Sub-nom C. tenuiflorus, Curt.)</i>			

669. *Carduus nutans*, Linn.

Waste places, from Elgin to Channel Islands.

Distrib. Europe, N. Africa, N. & W. Asia.

<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Borobridge ,, ...	1813	S. Hailstone	S. Hailstone
Westow, S.E. Yorks... ..	1883	H. J. Wilkinson	H. J. Wilkinson

670. *Carduus crispus*, Linn.

Hedge banks, &c., from Ross to Channel Islands.

Distrib. Europe (Arctic), N. Asia.

<i>Sp.</i> Bridlington, Yorks.	1820	S. Hailstone	S. Hailstone
Skipton ,, ...	1839	"	"
Knaresboro' ,, ...	1900	H. Fisher	H. J. Wilkinson

671. *Cnicus lanceolatus*, Hoffm.

Waste places. Shetland to Channel Islands.

Distrib. Europe, N. Africa.

<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Langwith, S.E. Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson

672. *Cnicus eriophorus*, Hoffm.

Waste dry places. Durham to Kent.

Distrib. Holland, southwards.

<i>Sp.</i> Copgrove, Yorks.	1791	J. Dalton	Rev. J. Dalton
On the road from Burlington to Kilham Yorks.	1820	S. Hailstone	S. Hailstone
Cayton, Scarboro', Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson

	DATE.	COLLECTOR.	HERBARIUM.
673. <i>Cnicus palustris</i>, Hoffm.			
<i>Ditches, wet meadows, &c. Shetland to Channel Islands.</i>			
<i>Distrib.</i> Europe (Arctic), Siberia.			
<i>Sp.</i> Oglethorp Meadow, Boston Spa, Yorks.	1820	S. Hailstone	S. Hailstone
Langwith, S.E. Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson
674. <i>Cnicus pratensis</i>, Willd.			
<i>Wet meadows, &c. Yorks., N. Wales, southwards.</i>			
<i>Distrib.</i> Holland, Spain, France.			
<i>Sp.</i> Bog, near Netley Abbey, Hants. ...	1845	S. Hailstone	S. Hailstone
Bottisham Fen, Cambs.	1845	"	"
Yarmouth	(1800)	D. Turner	Rev. J. Dalton
Langwith, S.E. Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson
Askham Bogs, Yorks... ..	1840	H. Baines	Walker
Forest, near Tunbridge Wells, Kent...	1810	W. Middleton	W. Middleton
675. <i>Cnicus heterophyllus</i>, Willd.			
<i>Sub-alpine pastures & rivulets. Caithness, S. Wales, Derbyshire, &c.</i>			
<i>Distrib.</i> N. & Mid. Europe, N. America.			
<i>Sp.</i> In a field near the White Hart public house, above Ripponden, Yorks., on the right of the road from Halifax...	1806	S. Hailstone	S. Hailstone
Malham Tarn, Yorks... ..	1806	"	"
High Force, Teesdale	1822	"	"
Mackershaw Wood, near Ripon, Yorks.	1840	H. Baines	Walker
Bishophthorpe, Yorks... ..	1798	J. Dalton	Rev. J. Dalton
Holwick, Teesdale, Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson
676. <i>Cnicus acaulis</i>, Hoffm.			
<i>Calcareous pastures, &c. Yorkshire to Devon.</i>			
<i>Distrib.</i> Gothland, southwards, N. and W. Asia.			
<i>Sp.</i> Downs, Clifton, Glos... ..	(1840)	Miss Stovin	S. Hailstone
The Devil's Ditch, towards Stetchworth, abundantly	1839	S. Hailstone	"
Summer Castle, Lincs.	1800	J. Dalton	Rev. J. Dalton
Brighton, Sussex	1810	W. Middleton	W. Middleton
Ancaster, Lincs.	1892	H. Fisher	H. J. Wilkinson

677. Cnicus arvensis, Hoffm.

Fields and waste places. Shetland to Channel Islands.

Distrib. Europe, N. & W. Asia, N. Africa.

Sp. Copgrove, Yorks. 1700
(*Var. mitis*, Koch.)

Leatherhead, Surrey 1900

DATE.

COLLECTOR.

HERBARIUM.

J. Dalton

Rev. J. Dalton

W. Whitwell

H. J. Wilkinson

678. Onopordon acanthium,

Linn. *Alien.*

Dry waste places.

Sp. Linton, on the road from Shudy Camps
to Cambridge 1843

Bexley, Kent 1813

S. Hailstone

S. Hailstone

E. Edwards

H. J. Wilkinson

679. Silybum marianum,

Gærtn. *Not native.*

Waste places near gardens, &c.

Sp. Near Rillington, Yorks. (1820)

W. Middleton

W. Middleton

680. Saussurea alpina, D.C.

Alpine rocks. N. Wales to Shetland.

Distrib. Scandinavia (Arctic), N. Russia,
N. Asia, &c.

Sp. Clogwyn y Garnedd, N. Wales ... 1820

Highlands of Scotland 1844

Clova Mts., Forfars 1842

Ben Lomond, Stirlings. 1809

Ben Nevis, Inverness 1810

S. Hailstone

S. Hailstone

"

"

J. H. Balfour

Walker

J. Dalton

Rev. J. Dalton

W. Middleton

W. Middleton

681. Serratula tinctoria, Linn.

Dry fields & copses. Dumfries, southwards.

Distrib. Europe, W. Siberia.

Sp. Askham Bogs, Yorks 1800

N. Wales 1806

Coneythorpe, N. Yorks. 1803

Winch Bridge, Yorks. 1822

Copgrove , , ... 1790

S. Hailstone

S. Hailstone

"

"

W. Middleton

W. Middleton

"

"

J. Dalton

Rev. J. Dalton

	DATE.	COLLECTOR.	HERBARIUM.
682. <i>Centaurea nigra</i>, Linn. <i>Meadows, &c. Shetland to Channel Islands.</i> <i>Distrib.</i> W. Europe.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Thorparch „	1830	S. Hailstone	S. Hailstone
683. <i>Centaurea Scabiosa</i>, Linn. <i>Dry pastures, &c., from Sutherland to Channel Islands.</i> <i>Distrib.</i> Europe, Siberia, W. Asia.			
<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Tadcaster „	1806	S. Hailstone	S. Hailstone
Knaresboro' „	1900	H. Fisher	H. J. Wilkinson
684. <i>Centaurea Cyanus</i>, Linn. <i>Cornfields, &c. Caithness, southwards.</i> <i>Distrib.</i> Europe, N. Africa, N.W. India.			
<i>Sp.</i> Near Llangollen, Denbighs.	1808	S. Hailstone	S. Hailstone
Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
685. <i>Centaurea Aspera</i>, Linn. <i>Guernsey.</i> <i>Distrib.</i> W. and S. Europe to Italy.			
<i>Sp.</i> Guernsey	1859	A. M. Norman	H. J. Wilkinson
686. <i>Centaurea calcitrapa</i>, Linn. <i>Alien.</i> <i>Dry waste places. Norfolk, S. Wales, and Kent.</i> <i>Distrib.</i> Holland, southwards, N. Africa.			
<i>Sp.</i> Ramsgate, Kent	1834	S. Hailstone, Jr.	S. Hailstone
Sands End, Whitby, N.E. Yorks. ...	1812	W. Middleton	W. Middleton
687. <i>Centaurea solstitialis</i>, Linn. <i>Alien.</i> <i>Cultivated fields.</i>			
<i>Sp.</i> Barton, Suffolk	1800	J. Dalton	Rev. J. Dalton

688. Cichorium Intybus, Linn.

Waste places, &c. England & Channel Islands.

Distrib. Europe, N. Africa, N.W. India.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Heslington Fields, Yorks.	1806	W. Middleton	W. Middleton
Cambridge	1839	S. Hailstone	S. Hailstone

689. Arnoseris pusilla, Gærtn.

A Colonist.

Dry pastures, &c. Elgin, East of England, and Dorset.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Cornfields, Godalming, Surrey	(1840)	S. Hailstone	S. Hailstone
Bexley Heath, Kent	1843	E. Edwards	H. J. Wilkinson

690. Lapsana communis, Linn.

Waste ground and fields. Orkney to Channel Islands.

Distrib. Europe (Arctic), N. Africa, N. and W. Asia.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Copgrove, Yorks.	1791	J. Dalton	Rev. J. Dalton

691. Picris hieracioides, Linn.

Waste places. Roxburgh, southwards.

Distrib. Europe, Asia, &c.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Studley (lime kilns), Yorks.	1800	W. Brunton	Rev. J. Dalton
Bridlington	1820	S. Hailstone	S. Hailstone
Mowthorpe Dale, N. Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson
St. Vincent Rocks, Bristol	1884	H. Fisher	"

692. Picris echioides, Linn.

Waste places, dry fields, &c. Durham, southwards.

Distrib. Holland, southwards, N. Africa.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Coatham, N.E. Yorks.	1799	S. Hailstone	S. Hailstone
Redcar	1801	"	"
Grantchester, Cambs.	1839	"	"
Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Brighton, Sussex	1810	W. Middleton	W. Middleton

	DATE.	COLLECTOR.	HERBARIUM.
693. <i>Crepis taraxacifolia</i>, Thuill.			
<i>Dry chalky pastures. Yorkshire to Cornwall.</i>			
<i>Distrib.</i> W. Europe, from Belgium, southwards.			
<i>Sp.</i> Walmer to Deal, E. Kent	1900	A. & J. Bennett	H. J. Wilkinson
Cuxton, Kent	1883	W. R. Linton	„
694. <i>Crepis virens</i>, Linn.			
<i>Waste and cultivated ground. Caithness, southwards.</i>			
<i>Distrib.</i> Denmark, southwards.			
<i>Sp.</i> Gapthorpe, N. Yorks.	1843	H. Ibbotson	H. J. Wilkinson
(<i>Sub-nom</i> <i>Hypochaeris glabra</i> . Linn).			
695. <i>Crepis biennis</i>, Linn.			
<i>Dry pastures, &c. Yorkshire to Kent. East Aberdeen.</i>			
<i>Distrib.</i> Europe.			
<i>Sp.</i> Rochester, Kent	1830	Prof. Henslow	Rev. J. Dalton
Holling-on-the-Medway	1840	H. Baines	Walker
Pinner, Middlesex	1886	W. R. Linton	H. J. Wilkinson
696. <i>Crepis hieracioides</i>, Wald and Kit.			
<i>Mountain glens, &c. Yorks. to Dum-barton.</i>			
<i>Distrib.</i> Mid Europe to the Caucasus.			
<i>Sp.</i> Near Winch Bridge, Teesdale, Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson
697. <i>Crepis paludosa</i>, Mœench.			
<i>Mountain woods, copses, and meadows. S. Wales to Caithness.</i>			
<i>Distrib.</i> Europe (Arctic), &c.			
<i>Sp.</i> Hebden Bridge, Yorks.	1805	S. Hailstone	S. Hailstone
In the bog by the brook on the right hand of the road leading from Bolton to Manningham, W. Yorks. ...	1806	„	„
Gordale, Yorks.	1806	„	„
Terrington, N. Yorks.	1845	H. Ibbotson	H. J. Wilkinson
Mowthorpe „	1883	H. J. Wilkinson	„
Scotton Bank, Knaresboro', Yorks. ...	1900	H. Fisher	„

	DATE.	COLLECTOR.	HERBARIUM.
698. Hieracium pilosella, Linn. <i>Dry banks, &c. Channel Islands to Orkney.</i> <i>Distrib.</i> Europe, N. Africa, N. & W. Asia. <i>Sp.</i> Knavesmire, York	1883	H. J. Wilkinson	H. J. Wilkinsons
699. Hieracium melanocephalum (Tausch.) <i>Scotch Mountains. Forfar, Aberdeen.</i> <i>Distrib.</i> Europe (N. & Arctic Zones), Alps of S. Europe. <i>Sp.</i> Clova Mts., Forfars.	1850	J. Backhouse, Jr.	H. J. Wilkinson
700. Hieracium holosericeum, Backh. <i>Scotland and Cumberland.</i> <i>Sp.</i> Clova Mts., Forfars. Glara Mara, Cumberland	1809 1847	J. Dalton J. Backhouse, Jr.	Rev. J. Dalton H. J. Wilkinson
701. Hieracium gracilentum, Backh. <i>Mountains (Scotland).</i> <i>Sp.</i> Loch Na Gar, Aberdeens.	1850	J. Backhouse, Jr.	H. J. Wilkinson
702. Hieracium amplexicaule, Linn. <i>Old Castle Walls. (Introduced.)</i> <i>Sp.</i> Cleish Castle, Kinross	(1840)	Giles Munby	G. Munby
703. Hieracium anglicum, Fries. <i>Mountain districts. Yorks. to Orkney.</i> <i>Distrib.</i> Pyrenees. <i>Sp.</i> Near Cronkley Fell, Teesdale, Yorks. (<i>H. cerinthoides, Backh.</i>) Clova Mts., Forfars.	1883 1850	H. J. Wilkinson J. Backhouse, Jr.	H. J. Wilkinson ,,

704. Hieracium iricum, Fries.*Mountain districts. Britain & Ireland.*

	DATE.	COLLECTOR.	HERBARIUM.
Sp. Teesdale, Yorks.	1841	O. A. Moore	O. A. Moore
Winch Bridge, Teesdale, Yorks. ...	1883	H. J. Wilkinson	H. J. Wilkinson
Teesdale, Yorks.	1884	J. Backhouse, Jr.	"

**705. Hieracium Gibsoni,
Backh.***Mountain scars, &c. Yorkshire and Ireland.*

Sp. Ingleton, Yorks.	1893	H. J. Wilkinson	H. J. Wilkinson
Settlo ,, ...	1840	J. Tatham	S. Hailstone

**706. Hieracium murorum,
Linn. (pt.)**

Sp. Rocks at the Strid, Yorks.	1810	S. Hailstone	S. Hailstone
Malham Cove ,, ...	1810	"	"
Scotton Bank, Knaresboro', Yorks. ...	1900	H. Fisher	H. J. Wilkinson

**707. Hieracium vulgatum,
Fries.***Woods, banks, and rocks.*

Sp. Richmond, Yorks.	1830	J. Dalton	Rev. J. Dalton
Fountains Abbey, Ripon, Yorks. ...	1900	H. Fisher	H. J. Wilkinson
Castle Howard, Yorks.	1883	H. J. Wilkinson	"

**708. Hieracium gothicum,
Fries. (pt.)***Sub-alpine districts. N. Wales, Yorks. Scotland.*

Sp. Holwick, Teesdale, Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson
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**709. Hieracium tridentatum,
Fries.***Dry sandy places. Yorks., Devon, and Kent.*

Sp. Ripon, Yorks.	1790	J. Dalton	Rev. J. Dalton
(Sub-nom <i>Sylvaticum</i>) Holwick, Teesdale, Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson

710. *Hieracium umbellatum*, Fries.

Dry, sandy, and rocky places. Dumfries to Cornwall.

Distrib. Europe (Arctic), N. & W. Asia.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Sand hills between Liverpool & Bootle, Lancs.	1806	S. Hailstone	S. Hailstone
The Trossachs, Scotland	"	"	"
Terrington, N. Yorks.	1843	H. Ibbotson	H. J. Wilkinson
Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Newark, Notts.	1820	W. Middleton	W. Middleton
Skipwith Common, S.E. Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson

711. *Hieracium boreale*, Fries.

Hedge banks, copses, &c. Banff, southwards.

Distrib. Mid and S. Europe.

<i>Sp.</i> Strensall, Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson
Richmond ,, ...	1830	J. Dalton	Rev. J. Dalton
Coneysthorpe, N. Yorks.	1843	H. Ibbotson	H. J. Wilkinson

712. *Hypochoeris glabra*, Linn.

Dry fields, &c., from Elgin to Devon.

Distrib. Gothland, southw'ds, N. Africa.

<i>Sp.</i> Colchester, Essex	1886	W. R. Linton	H. J. Wilkinson
Newark, Notts.	1893	H. Fisher	"

713. *Hypochoeris radicata*, Linn.

Meadows and waste places. Orkney to Channel Islands.

Distrib. Europe, N. Africa.

<i>Sp.</i> Brafferton, Yorks.	1834	Rev. W. Gray	H. J. Wilkinson
Thorparch ,, ...	1830	S. Hailstone	S. Hailstone

714. *Hypochoeris maculata*, Linn.

Chalk and limestone pastures. Westmoreland, N. Wales, Cambs., &c.

Distrib. Europe, N. Asia.

<i>Sp.</i> Gogmagog hills, Cambs.	1830	S. Hailstone	S. Hailstone
Devil's Ditch ,, ...	(1826)	Prof. Henslow	Rev. J. Dalton

715. *Leontodon hirtus*, Linn.*Gravelly fields. &c. Durham, southwards.**Distrib.* Gothland, southwards.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Coatham, N.E. Yorks.	1800	S. Hailstone	S. Hailstone
Heslington, S.E. „	1837	O. A. Moore	O. A. Moore
Withernsea „ „	1893	H. J. Wilkinson	H. J. Wilkinson

**716. *Leontodon hispidus*,
Linn.***Meadows, &c. Forfar, southwards.**Distrib.* Europe.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Thorparch, Yorks.	1804	S. Hailstone	S. Hailstone
Heslington, S.E. Yorks.	1840	H. Ibbotson	H. J. Wilkinson
Strensall, N.E. „	1883	H. J. Wilkinson	„

**717. *Leontodon autumnalis*,
Linn.***Pastures and waste places. Shetland to Channel Islands.**Distrib.* Europe (Arctic), N. & W. Asia.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> York (<i>Sub-nom Hypochaeris glabra</i> .)	1837	O. A. Moore	Moore
Heslington, S.E. Yorks.	(1840)	„	„
Skipwith „ „	1883	H. J. Wilkinson	H. J. Wilkinson
(<i>Var. pratensis</i> , Koch.)			
Clova Mts., Forfars....	1809	J. Dalton	Rev. J. Dalton
Ben Hope, Sutherlands.	(1830)	Giles Munby	Munby

**718. *Taraxacum officinale*,
Web.***Meadows and waste places. Shetland to Channel Islands.**Distrib.* Arctic and N. & S. temperate regions.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Clifton Ings, York	1883	H. J. Wilkinson	H. J. Wilkinson
(<i>Var. laevigatum</i> , D.C.)			
Sussex	(1826)	J. Dalton	Rev. J. Dalton

719. *Lactuca virosa*, Linn.*Hedge banks and waste places. Perth, southwards.**Distrib.* Belgium, southwards.

	DATE.	COLLECTOR.	HERBARIUM.
<i>Sp.</i> Furness Abbey, Lancs.	1804	S. Hailstone	S. Hailstone
Bungay, Norfolk	(1806)	J. Dalton	Rev. J. Dalton

	DATE.	COLLECTOR.	HERBARIUM.
720. <i>Lactuca scariola</i>, Linn. <i>Waste places. Twofold, Kent, &c.</i> <i>Distrib.</i> Europe, Siberia, &c. <i>Sp.</i> Wells, Norfolk	(1840)	S. Hailstone	S. Hailstone
721. <i>Lactuca saligna</i>, Linn. <i>Waste ground near the sea. Suffolk, Kent, &c.</i> <i>Distrib.</i> Holland, southwards, N. Africa. <i>Sp.</i> Woolwich, Kent Banks of the Thames, near Cliff, Kent	(1800) July 17th 1827	J. Dalton Prof. Henslow	Rev. J. Dalton ,,
722. <i>Lactuca muralis</i>, Fresen. <i>Old walls and rocky woods. Perth to Devon.</i> <i>Distrib.</i> Europe, W. Asia. <i>Sp.</i> Knaresboro', Yorks. Whalley, Lanes. Woods, Castle Howard, Yorks	1790 1807 1883	J. Dalton S. Hailstone H. J. Wilkinson	Rev. J. Dalton S. Hailstone H. J. Wilkinson
723. <i>Lactuca alpina</i>, Benth. <i>Alpine rocks. Forfar, &c.</i> <i>Distrib.</i> Arctic and Alpine Europe. <i>Sp.</i> Glen Dole, Clova, Forfars.	1843	Miss Carnegy	S. Hailstone
724. <i>Sonchus oleraceus</i>, Linn. <i>Fields and waste places. Shetland to Cornwall.</i> <i>Distrib.</i> Europe, N. & W. Asia. <i>Sp.</i> Skipwith Common, S.E. Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson
725. <i>Sonchus asper</i>, Hoffm. <i>Fields and waste places. Shetland to Cornwall.</i> <i>Sp.</i> Bottisham, Cambs. Skipwith Common, Yorks.	1845 1883	S. Hailstone H. J. Wilkinson	S. Hailstone H. J. Wilkinson
726. <i>Sonchus arvensis</i>, Linn. <i>Cultivated fields, from Shetland to Channel Islands.</i> <i>Distrib.</i> Europe (Arctic), N. Africa, &c. <i>Sp.</i> Strensall, N.E. Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson

727. *Sonchus palustris*, Linn.*Marshes in S.E. England.**Distrib.* Denmark, southlands.

<i>Sp.</i> Bottisham Fen, Cambs.	1889	S. Hailstone	S. Hailstone
<i>Ibid</i> , opposite the Knave of Clubs ale house	1843	"	"
Wouldham, Kent	July 16th 1827	Prof. Henslow	Rev. J. Dalton

728. *Tragopogon pratensis*, Linn.*Meadows and waste places. Caithness to Cornwall.**Distrib.* Europe, N. & W. Asia.*(T. minor, Fries.)*

<i>Sp.</i> Copgrove, Yorks.	1790	J. Dalton	Rev. J. Dalton
Skipton ,, ...	1832	S. Hailstone	S. Hailstone
Clifton Ings, York	1883	H. J. Wilkinson	H. J. Wilkinson

729. *Tragopogon porrifolius*, Linn. *Alien.**Wet meadows, &c.*

<i>Sp.</i> Meadow on the Thames below Shorne in Kent	(1800)	W Middleton	W. Middleton
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CATALOGUE OF BRITISH PLANTS IN THE HERBARIUM
OF THE
YORKSHIRE PHILOSOPHICAL SOCIETY.

PART XI.

COMPILED BY HENRY J. WILKINSON, HON. CURATOR, BOTANY.

CAMPANULACEÆ.

	DATE.	COLLECTOR.	HERBARIUM.
730. Lobelia Dortmanna,			
Linn.			
<i>Lakes in Scotland, Cumberland, Wales,</i>			
<i>Shropshire, Ireland.</i>			
<i>Distrib.</i> W. France to Mid. Russia,			
N. America.			
<i>Sp.</i> Derwentwater, Cumberland ...	... 1820 ...	W. Middleton ...	W. Middleton
Scotland ...	... 1810 ...	„ ...	„
Coniston Water ...	... 1804 ...	J. Hailstone ...	S. Hailstone
Sutherland ...	... (1820) ...	Giles Munby ...	Giles Muuby
Snowdon, Wales ...	... 1884 ...	H. Fisher ...	H. J. Wilkinson
731. Lobelia urens, Linn.			
<i>Moors near Axminster.</i>			
<i>Distrib.</i> W. France, Spain, Maderia.			
<i>Sp.</i> Shute near Axminster, Devon ...	... 1840 ...	Dr. Bromfield ...	S. Hailstone
Kilminster Common, near Axminster ...	1840 ...	W. R. Crotch ...	S. Hailstone
Near Axminster, Devon ...	... (1840) ...	F. O. Morris ...	Rev. J. Dalton
Kilminster, Axminster, Devon ...	... 1877 ...	F. H. Weekes ...	F. H. Weekes

732. Jasione montana, Linn.*Sandy fields and heaths.**Distrib.* Europe, N. Africa, W. Asia.

<i>Sp.</i> Copgrove, Yorks. ...	...	1790 ...	J. Dalton ...	Rev. J. Dalton
Isle of Mau ...	...	1811 ...	S. Hailstone ...	S. Hailstone
Bradford, Yorks. ...	...	1840 ...	„ ...	„
Heslington, York ...	...	1883 ...	H. J. Wilkinson ...	H. J. Wilkinson

733. Wahlenbergia hederacea,**Rchb.***Moist turfy ground, W. of England,
S. and E. Ireland.**Distrib.* W. Europe.

<i>Sp.</i> St. Leonard's Forest. ...	...	(1820) ...	Mrs. Sutton ...	Rev. J. Dalton
Capel Curig, Denbighshire .1	...	1810 ...	W. Middleton ...	W. Middleton
Hampstead Heath, Middlesex	...	1847 ...	Hy. Taylor ...	S. Hailstone
Banks of Clyde ...	...	1810 ...	W. J. Hooker ...	Rev. J. Dalton
Inniscarra, Co. Cork ...	...	1891 ...	R. A. Phillips ...	H. J. Wilkinson

734. Phyteuma orbiculare,**Linn.***Chalky soils, Kent to Wilts.**Distrib.* Europe from Belgium south-
wards, to S. Russia.

<i>Sp.</i> Eastbourne, Sussex ...	...	1833 ...	Dr. Bromfield ...	S. Hailstone
South Downs ...	...	1820 ...	J. Dalton ...	Rev. J. Dalton
Croydon, Surrey ...	...	(1810)...	Turner ...	„
Brighton, Sussex ...	...	1820 ...	W. Middleton ...	W. Middleton

735. Phyteuma spicatum,**Linn.***Shady places in Sussex.**Distrib.* Europe to S. Russia.

<i>Sp.</i> No locality ...	...	...	...	Rev. J. Dalton
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736. Campanula glomerata,**Linn.***Dry pastures, Forfar to Somerset.**Distrib.* Europe, N. and W. Asia.

<i>Sp.</i> Devil's Ditch, Cambs. ...	...	1839 ...	S. Hailstone ...	S. Hailstone
Fairfield, York ...	...	1884 ...	J. W. Donaldson ...	Y. P. S.
Thorp Arch, Yorks. ...	...	1840 ...	S. Hailstone ...	S. Hailstone
Copgrove „ ...	...	1790 ...	Rev. J. Dalton ...	Rev. J. Dalton
Snowdon, Wales ...	...	1806 ...	W. Middleton ...	W. Middleton

**737. Campanula Trachelium,
Linn.**

*Shady places, Anglesea and York,
southwards.*

Distrib. Europe, Siberia, N. Africa.

Sp. Norwich, Norfolk ... 1810 ... Rev. J. Dalton ... Rev. J. Dalton

**738. Campanula latifolia,
Linn.**

*Shady places from Banff to N. Wales,
Surrey.*

Distrib. W. Europe to Himalayas.

<i>Sp.</i> Thorp Arch, Yorks.	...	...	(1806)...	S. Hailstone	...	S. Hailstone
Shipley	„	...	1820	S. Hailstone	...	S. Hailstone
Croft	„	...	1842	Rev. J. Dalton	...	Rev. J. Dalton
Copgrove	„	...	1790	„	...	„
Fulford, York	...	...	1820	W. Middleton	...	W. Middleton
Clifton Ings, York	...	...	1883	H. J. Wilkinson	...	H. J. Wilkinson

**739. Campanula rapuncu-
loides, Linn.**

*Hedge banks from Fife to Bedford,
Dorset.*

Distrib. Europe, W. Siberia.

Sp. No locality ... Rev. J. Dalton ... Rev. J. Dalton

**740. Campanula rotundifolia,
Linn.**

Dry banks and moorlands.

Distrib. N. Europe, N. Africa, N.
America.

<i>Sp.</i> St. Albans, Herts.	...	...	1833	H. D. Henslow	...	B. Baker
Croft, Yorks.	...	...	1842	Rev. J. Dalton	...	Rev. J. Dalton
Acomb, York	...	...	1816	S. Hailstone	...	S. Hailstone
Snowdon, Wales	...	...	1806	W. Middleton	...	W. Middleton

**741. Campanula persicifolia,
Linn.**

Naturalized in woods, etc.

Distrib. Europe, N. Africa, W. Asia,
and Siberia.

Sp. Thorp Arch, Yorks. ... 1806 ... S. Hailstone ... S. Hailstone

**742. *Campanula Rapunculus*,
Linn.**

Roadsides from Fife southwards.

Distrib. Denmark southwards, Siberia,
and N. Africa.

<i>Sp.</i> Bexley, Kent	...	..	...	1848	...	Jos. B. French	...	S. Hailstone
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743. *Campanula patula*, Linn.

*Hedges, Yorks. and Northumberland
to Dorset and Hants.*

Distrib. Europe, W. Siberia.

<i>Sp.</i> Hillbury Hill, Worcester	...	...	...	1840	...	E. Lees	...	S. Hailstone
No locality	...	...	...	...	...	Robson	...	Rev. J. Dalton

744. *Specularia hybrida*, DC.

*Cultivated fields from Durham south-
wards, Fife and Haddington in
Scotland.*

Distrib. Europe from Holland south-
wards, N. Africa.

<i>Sp.</i> Copgrove, Yorks.	...	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Bottisham, Cambs.	...	...	...	1845	...	S. Hailstone	...	S. Hailstone
Heslington Fields, York	...	...	...	1800	...	W. Middleton	...	W. Middleton
„ „	...	...	...	1840	...	H. Baines	...	H. J. Wilkinson

ERICACEÆ.

**745. *Vaccinium Vitis-idæa*,
Linn.**

*Elevated moors and woods from S.
Wales and Notts northwards,
Dartmoor.*

Distrib. Europe, Siberia, N. America.

<i>Sp.</i> Shipley Moor	Yorks.	...	...	1820	...	S. Hailstone	...	S. Hailstone
Halifax	„	...	...	1840	...	H. Baines	...	
Dallow Gill, Ripon	„	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Helmsley	„	...	...	(1820)	..	W. Middleton	...	W. Middleton

**746. *Vaccinium uliginosum*,
Linn.**

Mountain bogs, Durham and Westmorland, northwards.

Distrib. Arctic Europe, N. Asia, N. America.

<i>Sp.</i> Ben Lawers	1809 ...	W. Middleton ...	W. Middleton
Walker s Hill, Moor Riggs, Durham	1824 ...	S. Hailstone ...	S. Hailstone

**747. *Vaccinium Myrtillus*,
Linn.**

Heaths and Copses, N. to Shetland.

Distrib. Europe, W. Asia, N. W. America.

<i>Sp.</i> Copgrove Yorks.	1790 ...	Rev. J. Dalton ...	Rev. J. Dalton
Terrington Carr „	1810 ...	W. Middleton ...	W. Middleton
Wolsingham, Durham	(1806) ...	S. Hallstone ...	S. Hailstone
Strensall Common, Yorks.	1883 ...	H. J. Wilkinson ...	H. J. Wilkinson
„ „	1916 ...	A. Templeman ...	„

**748. *Vaccinium macrocarpum*,
Ait.**

Bogs.

Distrib. N. America, probably introduced in the Island “Terschelling” (N. Holland).

<i>Sp.</i> Mold, Flintshire (Boughton Bog) “not native”	1847 ...	Dr. Bidwell ...	S. Hailstone
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**749. *Vaccinium Oxycoccos*,
Linn.**

Spongy bogs from Somerset to Shetland.

Distrib. Europe (excluding Turkey), Asia, and N. America.

<i>Sp.</i> Terrington Carr, Yorks.	1800 ...	W. Middleton ...	W. Middleton
Tanfield „	1800 ...	Rev. J. Dalton ...	Rev. J. Dalton
Leckby Carr „	1822 ...	S. Hailstone ...	S. Hailstone
Strensall Common „	1883 ...	H. J. Wilkinson ...	H. J. Wilkinson
„ „	1916 ...	A. Templeman ...	„

750. Arbutus Unedo, Linn.*Woods in S. of Ireland.**Distrib.* S. France, Spain and Mediterranean regions.

<i>Sp.</i> Killarney, Ireland	...	...	...	1810	...	W. J. Hooker	...	S. Hailstone
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751. Arctostaphylos alpina, Spreng.*Dry Scotch mountains (Perth and Forfar northwards.)**Distrib.* N. and Mid. Europe, N. Asia and America.

<i>Sp.</i> Clova	...	...	...	(1840)	..	J. H. Balfour	...	S. Hailstone
Ben Wyvis	...	...	...	1842	...	"	...	"
Loch Errboll, Sutherland	...	...	...	1832	...	H. C. Watson	...	"
Hoy, Orkney	...	...	...	(1837)	...	Giles Munby	...	"
Ben Nevis	...	...	...	1840	...	S. Hailstone	...	"
"	...	...	...	1810	...	Hooker	...	Rev. J. Dalton

752. Arctostaphylos Uva-ursi, Spreng.*Heathy moors Yorkshire to Scotland, and N.W. Ireland.**Distrib.* Europe (excluding Greece and Turkey), Siberia, N. America.

<i>Sp.</i> Hexham, Northumberland	...	...	...	1820	...	S. Hailstone	...	S. Hailstone
Cronkley Fell, Yorks.	...	...	...	1844	...	"	...	"
Blair Atholl	...	...	...	1810	...	W. Middleton	...	W. Middleton
Scotland (Clova)	...	...	...	1810	...	"	...	"
Abba Wood, Hebden Bridge, Yorks...	...	...	...	1801	...	S. Hailstone	...	S. Hailstone

753. Andromeda polifolia, Linn.*Peat bogs from Perthshire to Norfolk and Somerset, Ireland.**Distrib.* N. Europe, N. America.

<i>Sp.</i> Hebden Bridge	...	...	...	1801	...	S. Hailstone	...	S. Hailstone
Dumfries	...	...	...	1820	...	"	...	"
Hellith Moors, near Settle	...	...	...	1845	...	H. Ibbotson	...	"
Prestwick Carr, Northumberland	...	...	...	1801	...	Mr. Winch	...	Rev. J. Dalton
Strensall Common, Yorks.	...	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson
"	...	...	...	1916	...	A. Templeman	...	"

754. *Calluna vulgaris*, Salisb.

*Heathy ground, ascending to 3,000 ft.,
in Scotland.*

Distrib. Europe, Siberia, Greenland,
Newfoundland, N. America.

<i>Sp.</i> Shipley Moors, Yorks.	...	...	1806	...	S. Hailstone	...	S. Hailstone
Delamere Forest, Cheshire	...	...	1807	...	"	...	"
Stockton Forest, Yorks.	...	...	(1799)	...	"	...	"
Fawdington Common, Yorks.	...	...	1829	...	Rev. W. Gray	...	H. J. Wilkinson
Helmsley, Yorks.	...	...	1820	...	Miss Watson	...	W. Middleton
Ben Lawers	...	...	1838	...	B. Baker	...	B. Baker

755. *Erica ciliaris*, Linn.

*Peaty moors Cornwall and Dorset,
Galway.*

Distrib. N. France.

<i>Sp.</i> Truro, Cornwall	...	...	1836	...	B. Baker	...	B. Baker
Cornwall	...	...	1840	...	Mrs. Fox	...	S. Hailstone
Truro, Cornwall	...	...	1841	...	Miss Warren	...	"
Cornwall	...	...	1834	...	Dr. Emerson	...	"

756. *Erica Tetralix*, Linn.

Peaty moors N. to Shetland, etc.

Distrib. N. and W. Europe to Russia.

<i>Sp.</i> Leckby Carr, Yorks.	...	...	1807	...	Rev. J. Dalton	...	Rev. J. Dalton
Esher, Surrey	...	...	1843	...	H. C. Watson	...	S. Hailstone
Leckby Carr, Yorks.	...	...	1835	...	Rev. W. Gray	...	H. J. Wilkinson

757. *Erica Mackayi*, Hook.

Peaty moors, Ireland.

Distrib. Spain.

<i>Sp.</i> Roundstone, Connemara	...	...	1837	...	J. H. Balfour	...	S. Hailstone
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758. *Erica cinerea*, Linn.

Peaty moors N. to Shetland.

Distrib. W. Europe, Germany, N. Italy.

<i>Sp.</i> Ben Nevis	...	...	1828	...	B. Baker	...	B. Baker
Guisbro', Yorks	...	...	1835	...	Rev. W. Gray	...	H. J. Wilkinson
Heslington Fields, York	...	...	(1800)	...	S. Hailstone	...	S. Hailstone

759. *Erica vagans*, Linn.*Moors in Cornwall.**Distrib.* France, Spain and Portugal.

<i>Sp.</i> Cornwall	...	...	...	(1840)...	B. Baker	...	B. Baker
"	...	...	.	1810	Dr. Smith	...	S. Hailstone
The Lizard, Cornwall	...	...	...	1841	Mrs. Warren	...	"
Cornwall	...	...	...	(1810)...	Sir T. Gage	...	Rev. J. Dalton
The Lizard, Cornwall	...	...	...	1891	F. H. Weekes	...	F. H. Weekes

**760. *Erica mediterranea*,
Linn.***Boggy heaths, Mayo and Galway.**Distrib.* S. and W. France, Spain and Portugal.

<i>Sp.</i> Kyles Loughman	...	...	...	1850	Dr. Melville	...	S. Hailstone
Connemara	...	...	...	1838	J. H. Balfour	...	"

761. *Azalea procumbens*, Linn.*Scotch Alps up to 3,600 feet.**Distrib.* Arctic Europe, Asia, America.

<i>Sp.</i> Clova	...	...	...	1837	Dr. Balfour	...	S. Hailstone
Ben Lawers	...	...	...	1820	E. Donn	...	Rev. J. Dalton
Ben y Gloe, Perthshire	...	...	...	1810	J. Dalton	...	"
Lochnagar, Aberdeenshire	...	...	...	1810	"	...	"
Ben y Gloe, Perthshire	...	...	...	(1820)...	W. Middleton	...	W. Middleton
Lochnagar, Aberdeenshire	...	...	...	1887	H. Fisher	...	H. J. Wilkinson

762. *Menziesia polifolia*, Don.*Boggy heaths, Mayo and Connemara.**Distrib.* Ireland, W. France, Spain Portugal.

<i>Sp.</i> Galway, Ireland	...	...	...	1838	Dr. Balfour	...	S. Hailstone
Specimens from Robert Teesdale, E. Donn, and Miss Watson, no locality or date.							

763. *Pyrola rotundifolia*, Linn.*Moist woods from Forfar and Aberdeen
to Shropshire and Kent.**Distrib.* Arctic Europe (except Greece
and Turkey), N. Asia, Himalaya,
N. America.

<i>Sp.</i> Castle Eden Dene, Durham	...	...	...	1810	Jas. Backhouse	...	S. Hailstone
Knarensboro', Yorks.	...	...	...	1840	S. Hailstone	...	"
Southport, Lanes. <i>maritima</i>	...	...	...	1840	J. B. Wood	...	"
Sawley, near Ripon, Yorks.	...	...	...	1800	W. Brunton	...	Rev. J. Dalton

764. *Pyrola media*, Sw.

Woods and heaths, Sussex and Worcester northward.

Distrib. Europe (except Greece and Turkey).

<i>Sp.</i> Seamer Moor, Yorks.	...	...	1810	...	W. Middleton	...	W. Middleton
Lytham, Lancs.	...	...	(1800)	...	S. Hailstone	..	S. Hailstone
<i>(probably <i>maritima</i>, Kenyon) (H.J.W.)</i>							
Brechin	...	...	1839	...	"	...	"
Castle Howard, Yorks.	...	...	1880	...	"	...	"

765. *Pyrola minor*, Linn.

Woods and heaths from Sutherland to Kent and Devon.

Distrib. Arctic Europe, (excepting Turkey), E., W. and N. America.

<i>Sp.</i> Cockfield, Durham	...	...	1810	...	Jas. Backhouse	...	S. Hailstone
Bolton Abbey, Yorks.	...	...	1821	...	Mr. Carr	...	"
Hackfall	..	...	1800	...	W. Brunton	...	"
Terrington	..	...	1843	...	Hy. Ibbotson	...	
Hill of Kinnoul	...	...	1829	...	S. Hailstone	...	"
Stockton Common, Yorks.	...	...	(1800)	...	"	...	"
Falls of Clyde	...	...	1829	...	"	...	"
Holtby, Yorks.	...	...	1882	...	H. J. Wilkinson	...	H. J. Wilkinson

766. *Pyrola secunda*, Linn.

Rocky mountain woods, Teesdale, Keswick, Dumfries from Perth and Dumfries northwards.

Distrib. Enrope, Siberia, W. Asia, N. America.

<i>Sp.</i> Cawdor Woods, Nairn	...	...	1844	...	W. A. Stables	...	S. Hailstone
Blair Athol, Perth	...	...	1810	...	W. Middleton	...	W. Middleton
Loch Erich, Inverness	...	...	1806	...	Rev. J. Dalton	...	Rev. J. Dalton

767. *Pyrola uniflora*, Linn.

Woods in N. Highlands of Scotland.

Distrib. Arctic Europe (excluding Greece and Turkey), Siberia, N. America.

<i>Sp.</i> Perthshire, label only	...	...	1837	...	Walker Arnott	...	S. Hailstone
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Note : "I cannot find the specimen from Walker Arnott."

There is a specimen from Russia sent by Mr. Harriman to Rev. J. Dalton, also a specimen of *Pyrola umbellata*, no locality or collector.

H.J.W.

MONOTROPEÆ.

				DATE.	COLLECTOR.	HERBARIUM.
768. Monotropa Hypopitys, Linn.						
<i>Fir and Beech woods.</i>						
<i>Distrib.</i> Arctic Europe (excluding Greece and Turkey), Siberia, N. America.						
<i>Sp.</i>	South Cave, Yorks. ...	...	...	1909 ...	J. F. Robinson ...	H. J. Wilkinson
	Southport, Lanes. ...	...	...	1840 ...	J. B. Wood ...	S. Hailstone
	Berkshire ...	...	...	(1800) ...	Dawson Turner ...	„
	Thorp Arch, Yorks. ...	...	...	(1840) ...	Henry Baines ...	„
	Studley Woods „ ...	...	...	(1810) ...	Rev. J. Dalton ...	Rev. J. Dalton
				...	Mrs. Strickland ...	W. Middleton

PLUMBAGINEÆ.

769. Statice Limonium. Linn.						
<i>Muddy shores, E. and W. England, Ireland.</i>						
<i>Distrib.</i> Europe, N. Africa, and N. America.						
<i>Sp.</i>	Coatham, Yorks. ...	...	...	1800 ...	S. Hailstone ...	S. Hailstone
	Whitby „ ...	...	...	1810 ...	W. Middleton ...	W. Middleton
	Coatham „ ...	...	...	1820 ...	Rev. J. Dalton ..	Rev. J. Dalton

770. Statice rariflora, Drej.						
<i>Muddy sea shores.</i>						
<i>Distrib.</i> N.W. Europe, England and Scotland.						
<i>Sp.</i>	Galloway ...	...	...	1843 ...	J. H. Balfour ...	S. Hailstone

771. Statice spathulata, Hook.						
<i>Sea shores.</i>						
<i>Distrib.</i> Coasts of France, Spain, and Mediterranean.						
<i>Sp.</i>	Kent ...	...	...	(1810) ...	Hooker ...	Rev. J. Dalton
	Rottingdean, Sussex ...	...	...	(1810) ...	Borrer ...	„
	Mull of Galloway ...	...	...	1843) ...	J. H. Balfour ...	S. Hailstone
	Shakespeare's Cliff, Dover ...	...	...	1833 ...	S. Hailstone ...	„
	Lyddon Spout, between Dover and Folkestone ...	...	...	1840 ...	Dr. Bromfield ...	„

772. *Statice reticulata*, Linn.

*Salt marshes, Lincoln, Cambridge,
Norfolk.*

Distrib. Coasts of France, Mediterranean,
Black Sea and E. Asia.

<i>Sp.</i> Heacham, Norfolk	...	...	1896	...	F. H. Weekes	...	F. H. Weekes
Holm	„	...	(1809)	...	Rev. J. Dalton	...	Rev. J. Dalton

773. *Armeria vulgaris*, Willd.

Sea shores and mountains.

Distrib. N. Europe, Asia, N. America,
Chili.

<i>Sp.</i> Ben Lomond	...	...	1842	...	J. H. Balfour	...	S. Hailstone
Whitby, Yorks.	...	...	1810	...	W. Middleton	...	W. Middleton
Giant's Causeway	...	...	(1820)	...	„	...	„
Hartlepool, Durham	...	...	1800	...	Rev. J. Dalton	...	Rev. J. Dalton
Cramond Island	...	...	1828	...	W. R. Bain	...	B. Baker
Coatham, Yorks.	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson

PRIMULACEÆ.**774. *Hottonia palustris*, Linn.**

*Ponds and ditches from Durham and
Westmorland southwards, Ire-
land Co. Down.*

Distrib. Europe eastward to Russia and
Siberia (excluding Spain, Greece,
and Turkey).

<i>Sp.</i> Grandchester, Cambs.	...	...	1845	...	Miss J. Hailstone	...	S. Hailstone
Copgrove, Yorks.	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Bottisham Fen, Cambs.	...	...	1839	...	S. Hailstone	...	S. Hailstone.
Ditches at Battersea	...	...	1803	...	„	...	„
Askham Bogs, Yorks.	...	...	1800	...	„	...	„
In the ditch in the field beyond Mr.							
Bealby's house at the Mount, York	1830	...	„	...	„	...	„

775. *Primula vulgaris*, Huds.

Copses, pastures, etc.

Distrib. Europe, N. Africa.

<i>Sp.</i> Copgrove, Yorks.	...	..	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Settle, Yorks., var. <i>caulescens</i>	...		1840	...	M. W. Thompson	...	S. Hailstone

776. *Primula veris*, Linn.*Meadows, hedgebanks, etc.**Distrib.* Europe, W. Asia, N. Africa.

<i>Sp.</i> A few straggling specimens in the pastures at Bolton, nr. Bradford, Yorks.	1827 ...	S. Hailstone ...	S. Hailstone
Copgrove, Yorks.	1790 ...	Rev. J. Dalton ...	Rev. J. Dalton

777. *Primula elatior*, Jacq.*Meadows, etc., Suffolk, Essex, Cambridge, and Bedford.**Distrib.* Europe (excluding Greece and Turkey), Siberia.

<i>Sp.</i> Bardfield, Essex	1844 ...	John Ray ...	S. Hailstone
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778. *Primula farinosa*, Linn.*Boggy meadows and roadsides from Yorkshire northwards.**Distrib.* Europe, Siberia to Mongolia, Greenland, N. U.S. America.

<i>Sp.</i> Huby, Yorks.	1840 ...	H. Baines ...	H. J. Wilkinson
Malham ,, ...	1799 ...	S. Hailstone ...	S. Hailstone
Copgrove ,, ...	1790 ...	Rev. J. Dalton ...	Rev. J. Dalton
Mackershaw Wood, Ripon	1824 ...	W. Middleton ...	W. Middleton
Widdy Bank, Durham	1883 ...	H. J. Wilkinson ...	H. J. Wilkinson

779. *Primula scotica*, Hook.*Pastures in Orkney, Caithness, and Sutherland.**Distrib.* Lapland, Norway, & Sweden.

<i>Sp.</i> Durness, Sutherland	1833 ...	G. Munby ...	G. Munby
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**781. *Cyclamen hederæfolium*,
Ait.***Hedges and copses, Kent, Sussex, a denizen.**Distrib.* S. Europe, N. Africa, W. Asia.

<i>Sp.</i> Suffolk	...(1800) ...	D. Turner ...	Rev. J. Dalton
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**782. *Lysimachia thyrsiflora*.
Linn.***Bogs, etc., Lanark, Forfar, York, Cumberland, Noths., Wilts., and Cheshire, absent Ireland.**Distrib.* N. Europe, Siberia, N. America.

<i>Sp.</i> Lakeby Carr, Yorks....	1822 ...	S. Hailstone ...	S. Hailstone
„ „	1834 ...	Rev. W. Gray ...	H. J. Wilkinson
„ „	1820 ...	W. Middleton ...	W. Middleton
„ „	1790 ...	Rev. J. Dalton ...	Rev. J. Dalton

**783. *Lysimachia vulgaris*,
Linn.**

*Ditches and boggy places, Aberdeen
southwards.*

Distrib. N. Europe, N. Africa, N. Asia.

<i>Sp.</i>	Anglesey Abbey	...	...	...	1848	...	S. Hailstone	...	S. Hailstone
	Askham Bogs, Yorks.	...	...	...	1815	...	Walter Fawkes	...	„

Given to me by Walter Fawkes, Esq.
of Farnley, as a specimen of his mode
of preserving plants, Jan. 18th, 1815.

**784. *Lysimachia Nummularia*,
Linn.**

*Damp shady places, Durham, Kent,
and Devon.*

Distrib. Europe.

<i>Sp.</i>	Copgrove, Yorks.	...	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
	Ings out of North Street Postern, York	1800	...	S. Hailstone	...	S. Hailstone			

**785. *Lysimachia nemorum*,
Linn.**

*Damp woods from Caithness, south-
wards.*

Distrib. Europe (excluding Russia
Greece, and Turkey).

<i>Sp.</i>	Copgrove, Yorks.	...	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
	Helmsley „	...	...	...	1820	...	S. Hailstone	...	S. Hailstone

786. *Trientalis europæa*, Linn.

*Sub-Alpine woods, York and Lancs.
northwards.*

Distrib. Arctic Europe, Italy and N.
Asia.

<i>Sp.</i>	Blair Athol, Perthshire	...	...	...	1810	...	S. Hailstone	...	S. Hailstone
	Rombald's Moor, Yorks.	...	...	...	1799	...	„	...	„
	Swill Hill, Halifax „	...	...	...	1833	...	„	...	„
	Thornton	...	...	...	1848	...	M. Birkbeck	...	„
	Dallow Gill, Yorks.	...	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
	Searborough „	...	...	...	(1820)	...	W. Middleton	...	W. Middleton
	Scotland	...	...	...	1809	...	Hooker	...	Rev. J. Dalton

787. Glaux maritima, Linn.

*Muddy sea shores, also salt districts in
Worcester & Stafford to Shetland.*

Distrib. Arctic Europe, N. & W. Asia,
N. America.

<i>Sp.</i> Whitby, Yorks.	...	...	...	1806	...	Rex. J. Dalton	...	Rev. J. Dalton
" "	...	...	...	1800	...	W. Middleton	...	W. Middleton
Blackpool, Lanes.	...	...	...	1801	...	S. Hailstone	...	S. Hailstone
Coatham, Yorks.	...	...	...	1799	...	"	...	"

788. Anagallis arvensis, Linn.

*Fields and waste places, Elgin south-
wards.*

Distrib. Europe, N. Africa, Siberia,
W. Asia. Introduced in America.

<i>Sp.</i> Copgrove, Yorks.	...	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
York	...	...	...	1806	...	W. Middleton	...	W. Middleton
Heslington Fields, York	...	...	...	1800	...	S. Hailstone	...	S. Hailstone

789. Anagallis cærulea, Schb.

Fields with arvensis.

<i>Sp.</i> Reigate, Surrey	...	...	...	1840	...	Jos. Freeman	...	S. Hailstone
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790. Anagallis tenella, Linn.

Marshes & wet places, N. to Shetland.

Distrib. Europe (excluding Russia),
Siberia, N. Africa, temperate S.
America.

<i>Sp.</i> Copgrove, Yorks.	...	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Bramham Moor, Yorks.	...	...	...	1807	...	S. Hailstone	...	S. Hailstone
Near Bingley	...	...	...	1807	...	"	...	"
Ilkley, Yorks.	...	...	...	1807	...	"	...	"

**791. Centunculus minimus,
Linn.**

*Damp sandy places, Inverness south-
wards.*

Distrib. Europe (excluding Greece and
Turkey), Asia, and America.

<i>Sp.</i> Stockton Forest, Yorks.	...	...	...	1822	...	J. Backhouse	...	S. Hailstone
Houghton Moor, near Newbold, E.R.	...	...	...	1790	...	R. Teesdale	...	Rev. J. Dalton
Streusall Common, Yorks.	...	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson

792. Samolus Valerandi, Linn.

*Wet places and ditches, Skye and
Moray southwards.*

Distrib. N. Hemisphere.

<i>Sp.</i> In the sandy fields near Lytham, Lancs.	1801	...	S. Hailstone	...	S. Hailstone
Bottisham, Cambs.	...	...	1839 & 1843	,,	..
Strensall Common, Yorks.	...	...	1883	...	H. J. Wilkinson

OLEACEÆ.**793. Ligustrum vulgare, Linn.**

*York and Durham southward, S.
Ireland.*

Distrib. Europe and N. Africa.

<i>Sp.</i> Coatham (Hunteliff pastures), Yorks.	1799	...	S. Hailstone	...	S. Hailstone
Saltburn, Yorks.	...	...	1822	...	..

APOCYNACEÆ.**794. Vinca major, Linn.**

Naturalized alien.

Distrib. Europe and N. Africa.

<i>Sp.</i> Bath (not truly wild)	...	...	1831	...	Dr. Bromfield	...	S. Hailstone
Chatham, Kent	...	...	1806	...	W. Middleton	...	W. Middleton
Banks of Wharfe, Yorks.	...	...	(1800)	...	W. Brunton	...	Rev. J. Dalton

795. Vinca minor, Linn.

Stafford southwards, usually naturalized.

Distrib. Europe, W. Asia.

<i>Sp.</i> Wood at Mayroyd, Yorks.	...	...	1801	...	S. Hailstone	...	S. Hailstone
Castlebar, near Settle	...	...	(1820)	...	..	...	..
Ramsgate, Kent	...	...	(1810)	...	W. Middleton	...	W. Middleton
Tanfield, Yorks.	...	...	(1800)	...	Rev. J. Dalton	...	Rev. J. Dalton

G E N T I A N E Æ .

- | | DATE. | COLLECTOR. | HERBARIUM. |
|---|------------|-----------------|-----------------|
| 796. Exacum filiforme, Sm. | | | |
| <i>Sandy banks on South Coast.</i> | | | |
| <i>Distrib.</i> Europe from Denmark southwards, Azores. | | | |
| Sp. St. Leonard's Forest | ... 1810 | Rev. J. Dalton | Rev. J. Dalton |
| Tilgate Forest, Sussex | ... 1841 | J. Freeman | S. Hailstone |
| 797. Chlora perfoliata, Linn. | | | |
| <i>Chalk and clay banks from York southwards.</i> | | | |
| <i>Distrib.</i> Europe (excluding Greece). | | | |
| Sp. Copgrove, Yorks. | ... 1790 | Rev. J. Dalton | Rev. J. Dalton |
| Sandhills between Liverpool & Bootle | 1801 | S. Hailstone | S. Hailstone |
| Thorp Arch, Yorks. | ... 1831 | " | " |
| Huddlestone Quarry, Yorks. | ... 1888 | H. J. Wilkinson | H. J. Wilkinson |
| 798. Erythræa Centaurium, Pers. | | | |
| <i>Dry banks and pastures.</i> | | | |
| <i>Distrib.</i> Europe, N. Africa, N. Asia, rare in N. America. | | | |
| Sp. Croft, Yorks. | ... 1790 | Rev. J. Dalton | Rev. J. Dalton |
| Apperley Bridge, Yorks. | ... 1799 | S. Hailstone | S. Hailstone |
| Isle of Arran | ... 1888 | Baker | Baker |
| 799. Erythræa latifolia, Sm. | | | |
| <i>Sandhills, Lancashire.</i> | | | |
| Sp. Erin Bay, Isle of Man | ... 1841 | S. Hailstone | S. Hailstone |
| This is <i>E. Centaurium</i> var. <i>capitata</i> , Koch. A.B. | | | |
| 800. Erythræa pulchella, Fr. | | | |
| <i>Sandy places on coast.</i> | | | |
| <i>Distrib.</i> Europe (excluding Scandinavia and Russia). | | | |
| Sp. Lowestoft, Suffolk | ... (1790) | Relham | S. Hailstone |
| Margate, Kent | ... 1840 | Jno. Reynolds | " |
| 801. Erythræa littoralis, Fr. | | | |
| <i>Sandy shores.</i> | | | |
| <i>Distrib.</i> Europe. | | | |
| Sp. North Shore, Liverpool | ... (1840) | S. Gibson | S. Hailstone |

802. *Gentiana Pneumonanthe*, Linn.

Damp moors from Cumberland, Yorkshire, southwards.

Distrib. Europe, N. Asia, and a form in N. America.

<i>Sp.</i> Langford Moor, near Newark, Notts...	1820	...	W. Middleton	...	W. Middleton		
Baguley Moor, Cheshire	...	...	1840	...	Dr. J. B. Wood	...	S. Hailstone
Near Thornton Bridge	...	...	1802	...	S. Hailstone	...	„
Near Helperby, Yorks.	...	...	1798	...	Rev. J. Dalton	...	Rev. J. Delton
Strensall Common, Yorks.	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson
Skipwith	„	„	...	...	1890	...	„

803. *Gentiana verna*, Linn.

Sub-Alpine limestone districts in N. Yorks. & Durham, Ireland (Mayo, Galway & Clare).

Distrib. S. Europe, Turkey, Siberia, W. Asia.

<i>Sp.</i> Teesdale	...	...	...	...	1840	...	Hustler	...	S. Hailstone
„	...	...	...	...	1800	...	Robson	...	„
„	...	...	...	...	1820	...	W. Brunton	...	Rev. J. Dalton
Widdy Bank, Durham	...	...	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson

804. *Gentiana nivalis*, Linn.

Breadalbane and Clova Mountains.

Distrib. N. & Mid Europe & America.

<i>Sp.</i> Glen Isla, Forfar	...	...	...	...	1846	...	J. H. Balfour	...	S. Hailstone
Ben Lawers	...	...	...	...	1839	...	Dr. Greville	...	„
Glen Isla	...	...	...	...	1832	...	R. K. Greville	...	Rev. J. Dalton

805. *Gentiana Amarella*, Linn.

Dry pastures and banks from Shetland southwards.

Distrib. Europe, Siberia, Daharea.

<i>Sp.</i> In the glen at White Nab at Scarboro'	1806	...	W. Middleton	...	W. Middleton	
Bramham Moor, Yorks	...	... 1800	...	S. Hailstone	...	S. Hailstone

806. *Gentiana campestris*,**Linn.***Dry pastures and banks from Shetland southwards.**Distrib.* Europe (excluding Turkey), Siberia.

<i>Sp.</i> Dalmally, Scotland	...	...	1810	...	S. Hailstone	...	S. Hailstone
Scarisbrick, Lanes.	...	...	1801	...	"	...	"
Fort Augustus, Inverness	...	...	1809	...	W. Middleton	...	W. Middleton
Brodick, Arran	...	...	1838	...	Jas. Clapperton	...	B. Baker
Meal Ghardy	...	...	1828	...	W. P. Bain	...	B. Baker

807. *Menyanthes trifoliata*,**Linn.***Wet boggy ground, North to Shetland.**Distrib.* Europe, Asia, N. America.

<i>Sp.</i> Rombolds Moor, Yorks.	...	...	1820	...	W. Middleton	...	W. Middleton
Scarisbrick, Lanes.	...	...	1801	...	S. Hailstone	...	S. Hailstone
Strensall Common, Yorks.	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson

808. *Villarsia nymphæoides*,**Linn.***From Norfolk and Gloucester to Sussex, naturalized further north.**Distrib.* Europe, N. and W. Asia, S. W. India.

<i>Sp.</i> Richmond, Surrey	...	...	1834	...	S. C. Baker and G. Tyeman	...	B. Baker
Castle Howard Lake, Yorks.	...	(1820)	...	...	W. Middleton	...	W. Middleton
Earith, Hunts.	...	...	1833	...	Squire	...	S. Hailstone

POLEMONIACÆA.**810. *Polemonium cæruleum*,****Linn.***Limestone districts from Stafford and Derby northwards, alien in Scotland and Ireland.**Distrib.* Europe, Asia, N. America.

<i>Sp.</i> Malham Cove, Yorks.	...	...	1800	...	Rev. J. Dalton	...	Rev. J. Dalton
Calamine Pits, near Settle	...	...	1840	...	Jno. Tatham	...	S. Hailstone
Queensferry, Scotland	...	...	1840	...	S. Hailstone	...	"
Gordale, Yorks.	...	...	1807	...	"	...	"
Between Collingham and Boston Spa	...	...	1833	...	"	...	"

BORAGINÆ.

DATE.

COLLECTOR.

HERBARIUM.

811. *Cynoglossum officinale*,

Linn.

*Waste places from Ross and E. of
Scotland southwards, Ireland.*

Distrib. Europe, N. Africa, W. Asia,
and Siberia.

Sp. Ireland ... 1830 ... J. T. Mackay ... S. Hailstone

811a. *Cynoglossum sylvaticum*, Hke.

*Waste places Mid. and E. England,
Dublin, and naturalized in Scot-
land.*

Distrib. S. Europe.

Sp. Ireland ... 1830 ... J. T. Mackay ... S. Hailstone

812. *Asperugo procumbens*,

Linn.

*Waste places from Moray southwards,
Denizen.*

Distrib. Europe, W. Asia, to N.W. India.

<i>Sp.</i> Wangford, Suffolk	...	...	1810	...	Rev. J. Dalton	...	Rev. J. Dalton
" "	...	...	1810	...	Hooker	...	"
Purfleet, Essex	...	...	1820	...	Borrer	...	"
Woolwich	...	...	1846	...	W. McIvor	...	S. Hailstone

813. *Symphytum officinale*,

Linn.

*River banks and wet places from
Caithness, southwards.*

Distrib. Europe, W. Siberia.

<i>Sp.</i> Severus Hill, Acomb, York	...	...	1800	...	S. Hailstone	...	S. Hailstone
Netley Abbey, Hants.	...	...	1810	...	W. Middleton	...	W. Middleton
Grandchester, Cambs.	...	...	1839	...	S. Hailstone	...	S. Hailstone

814. *Symphytum asperimum*,

Bieb.

Not native. "A fodder plant."

Distrib. Asia.

Sp. Near Bath, Somerset ... 1840 ... Jno. B. French ... S. Hailstone

815. *Symphytum tuberosum*, Linn.

*Copses and wet places from Wales and
York to Isla and Elgin.*

Distrib. Mid. Europe, France, to S.
Russia.

Sp. Island in Lake of Forfar, Scotland ... (1800) ... Rev. J. Dalton ... Rev. J. Dalton

816. *Borago officinalis*, Linn.

*Waste ground in England and Channel
Islands.*

Distrib. Mid. and S. Europe, N. Africa.
Introduced in America.

<i>Sp.</i> Thorne, Kent	...	...	...	1820	...	W. Middleton	...	W. Middleton
Bridlington Quay, Yorks.	...	...	...	1820	...	S. Hailstone	...	S. Hailstone
Kirkleatham, Yorks.	...	...	...	1820	...	„	...	„
Ripley, Yorks.	...	...	...	1824	...	„	...	„

817. *Anchusa officinalis*, Linn.

*Ballast hills, Northumberland, and
near Glasgow.*

Distrib. Europe.

<i>Sp.</i> Heartley, Northumberland	...	...	...	1820	...	Jas. Backhouse	...	S. Hailstone
Hartley Pans, Northumberland	...	...	...	1800	...	W. Brunton	...	Rev. J. Dalton

818. *Anchusa sempervirens*, Linn.

*Waste places from Ross, southwards,
Ireland.*

Distrib. W. Europe, Belgium to Lom-
bardy.

<i>Sp.</i> Dawlish, Devon	...	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
Lewes, Sussex	...	...	...	1809	...	W. Middleton	...	W. Middleton
Mayroyd, Yorks.	...	...	...	1806	...	S. Hailstone	...	S. Hailstone
Whalley Abbey, Lancs.	...	...	...	1809	...	„	...	„
Bingley, Yorks.	...	...	...	1835	...	„	...	„
Jersey	...	...	...	1832	...	Dr. Bromfield	...	„
Frenshay, near Bristol, Glos.	...	...	...	1831	...	S. C. Baker	...	B. Baker

819. *Lycopsis arvensis*, Linn.*Cornfields.**Distrib.* Europe, W. Siberia, W. Asia,
and N.W. India.

<i>Sp.</i> Copgrove, Yorks.	...	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Coatham, Yorks.	...	...	...	1799	...	S. Hailstone	...	S. Hailstone
Formby, Lanes.	...	...	...	1805	...	"	..	"

**820. *Pulmonaria angustifolia*,
Linn.***Copses, Isle of Wight, Hants & Dorset.**Distrib.* Europe (excluding Turkey and
Greece).

<i>Sp.</i> Isle of Wight, Hants...	...	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
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**821. *Pulmonaria officinalis*,
Linn.***Woods, etc., England, South of Scot-
land, naturalized only.**Distrib.* Europe.

<i>Sp.</i> Cliff Wood, Yorkshire	...	...	...	(1800)	...	Robson	...	S. Hailstone
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**822. *Myosotis cœspitosa*, F.
Schultz.***Wet places North to Shetland.**Distrib.* Europe, Asia, N. Africa, and
N. America.

<i>Sp.</i> Near Manchester, Lanes.	...	...	...	(1840)	...	Gibson	...	S. Hailstone
Sussex	...	...	...	1810	...	Hooker	...	Rev. J. Dalton

823. *Myosotis palustris*, Relh.*Wet places North to Shetland, Channel
Islands.**Distrib.* Europe, Siberia, etc.

<i>Sp.</i> Croft	...	...	...	1846	...	Rev. J. Dalton	...	Rev. J. Dalton
Scotland	...	...	...	1809	...	Hooker	...	"
Bottisham Fen, Cambs.	...	...	...	1839	...	S. Hailstone	...	S. Hailstone

824. *Myosotis repens*, Don.*Wet places, Channel Islands to Shetland**Distrib.* 'England, Scandinavia, etc.

<i>Sp.</i> Ex. Hort	...	...	...	1810	...	Wm. Backhouse	...	Rev. J. Dalton
Scotland	...	...	...	1809	...	Hooker	...	"

**825. *Myosotis alpestris*,
Schmidt.**

*Alpine Rocks, Ben Lawers, Teesdale,
etc.*

Distrib. Arctic Europe, N. Asia, N.
America.

<i>Sp.</i> Ben Lawers	1809 ...	G. K. Greville ...	Rev. J. Dalton
Dunmore Hill, Perthshire ...	(1840) ...	S. Hailstone ...	S. Hailstone

826. *Myosotis sylvatica*, Hoffm.

Shady woods from Forfar southwards.

Distrib. Europe, W. Asia, Siberia,
Canaries, etc.

<i>Sp.</i> Croft, Yorks.	1830 ...	Rev. J. Dalton ...	Rev. J. Dalton
Helmsley, Yorks.	1884 ...	H. J. Wilkinson...	H. J. Wilkinson

827. *Myosotis arvensis*, Hoffm.

*Fields and waste places, Channel
Islands to Shetland.*

Distrib. Europe, W. Asia, N. Africa,
Siberia, N.W. India.

<i>Sp.</i> Copgrove, Yorks.	1790 ...	Rev. J. Dalton ...	Rev. J. Dalton
Redcar	1800 ...	S. Hailstone ...	S. Hailstone

828. *Myosotis collina*, Hoffm.

*Dry banks, etc., Channel Islands,
North to Shetland.*

Distrib. Europe, N. Africa, N. Asia.

<i>Sp.</i> Perthshire	1840 ...	Gibson	S. Hailstone
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**829. *Myosotis versicolor*,
Reichb.**

*Dry banks, etc., Channel Islands, North
to Shetland.*

Distrib. Europe, N. Africa, N. Asia.
Introduced to U.S. America.

<i>Sp.</i> Costessey, Norfolk	1820 ...	Rev. J. Dalton ...	Rev. J. Dalton
Scotland	1809 ...	Hooker	"
Norwich	(1820) ...	I. Backhouse ...	S. Hailstone

830. Lithospermum purpureo-cœruleum, Linn.*Copses, Wales, Somerset, Devon, and Kent.**Distrib.* Europe, from Belgium southwards.

<i>Sp.</i> Yatton, N. Somerset ...	...	...	1884	...	H. Fisher	...	H. J. Wilkinson
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831. Lithospermum officinale, Linn.*Copses, etc., from Ross southwards.**Distrib.* Europe, W. Asia, Siberia.

<i>Sp.</i> Kent ...	...	...	1809	...	W. Middleton	...	W. Middleton
Copgrove, Yorks.	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Hastings, Sussex	...	...	1820	...	S. Hailstone	...	S. Hailstone

832. Lithospermum arvense, Linn.*Cornfields, etc., from Ross southwards.**Distrib.* Europe, N. Africa, Asia, etc.

<i>Sp.</i> Copgrove, Yorks.	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Kirkstall Abbey, York.	...	...	1799	...	S. Hailstone	...	S. Hailstone
Thorp Arch, Yorks.	...	...	1848	...	„	...	„

833a. Lithospermum maritima, Lehn.*Sea shores, Wales, Berwick to Shetland.**Distrib.* Lapland, Denmark, North and Arctic Shores of Asia and America.

<i>Sp.</i> Thorny Hove...	...	...	1809	...	W. Middleton	...	W. Middleton
Dunure, Ayrshire	...	...	(1840)	...	Dr. MacLagan	...	S. Hailstone

833. Echium vulgare, Linn.*Sandy ground from Sutherland southwards.**Distrib.* Europe, N. Africa, Siberia.

Introduced to N. America.

<i>Sp.</i> Knapton, Yorks.	...	...	1810	...	W. Middleton	...	W. Middleton
Copgrove, Yorks.	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Richmond, Yorks.	...	...	1821	...	S. Hailstone	...	S. Hailstone
Bradford, Yorks.	...	...	1827	...	„	...	„
Richmond, Surrey	...	...	1834	...	S. C. Baker	...	B. Baker.
Eltham, Kent	...	...	1834	...	„	...	„
Salisbury Crags	...	...	1828	...	W. P. Bain	...	„

839. Cuscuta europæa, Linn.

*Parasite on Vetch, Nettle, &c., England
from Yorks. to Dorset.*

Distrib. Europe, N. Africa, Siberia.

Sp. Burkham ... (1820) ... Peirson ... Rev. J. Dalton

840. Cuscuta Epithymum,

Murr.

Parasite on Furze, Thyme, Ling, etc.

Distrib. Europe, Denmark southwards,
N. Africa, W. Asia.

Sp. Devonshire ... 1849 ... Miss Hailstone ... S. Hailstone
Southampton, Hants. ... (1820) ... Peirson ... Rev. J. Dalton

841. Cuscuta Trifolii, Bab.

Parasite on Clover and other plants.

Distrib. Similar to *C. epithymum*, of
which it is a variety.

Sp. Earsham, Norfolk ... 1820 ... D. Stock ... S. Hailstone

SOLANACEÆ.**842. Solanum Dulcamara,**

Linn.

*Hedges, etc., from Islay and Ross south-
wards. A denizen in Scotland,
rare in Ireland.*

Distrib. Europe, N. Africa, W. Asia to
N.W. India, introduced N. America.

Sp. Copgrove, Yorks. ... 1790 ... Rev. J. Dalton ... Rev. J. Dalton
Aberdour ... 1828 ... B. Baker ... B. Baker

843. Solanum nigrum, Linn.

Waste and cultivated ground.

Distrib. Throughout the Tropical and
Temperate world.

Sp. Bletchworth, Cambs.... 1839 ... S. Hailstone ... S. Hailstone
Worthing, Sussex ... (1809) ... W. Middleton ... W. Middleton

844. Atropa Belladonna, Linn.

Mostly on calcareous soil from Westmorland southwards. Rare and near houses in Forfar, Argyle & Ireland.

Distrib. Europe, from Denmark southwards, N. Africa, introduced N. America.

<i>Sp.</i> Poulton-on-Sands, Lancs.	...	...	1834	...	S. Hailstone	...	S. Hailstone
Aberford, Yorks.	...	...	1806	...	„	...	„
Bramham and Jackdaw Crag, Thorp							
Arch, Yorks.	...	...	1801	...	„	...	„
Arundel Castle, Sussex	...	...	(1809)	...	W. Middleton	...	W. Middleton
Knaresborough, Yorks.	...	...	1800	...	Rev. J. Dalton	...	Rev. J. Dalton

845. Datura Stramonium, Linn.

A casual weed.

Distrib. S. Europe.

<i>Sp.</i> Yarmouth, Norfolk	...	...	1809	...	W. Middleton	...	W. Middleton
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846. Hyoscyamus niger, Linn.

A casual, in waste places.

Distrib. Europe, N. Africa, Siberia, W. Asia.

<i>Sp.</i> Poulton-on-Sands, Lancs.	...	...	1834	...	S. Hailstone	...	S. Hailstone
Redcar	...	...	1821	...	„	...	„
Coatham	...	...	1800	...	„	...	„
Bridlington	...	...	1820	...	„	...	„

SCROPHULARINÆ.**847. Verbascum Thapsus, Linn.**

Waste places from Arran and Forfar southwards, and Ireland.

Distrib. Europe, W. Asia, Siberia.

<i>Sp.</i> Deepdale, Thorp Arch, Yorks.	...	1847	...	S. Hailstone	...	S. Hailstone
Huddleston Quarry, Yorks.	...	1882	...	H. J. Wilkinson	...	H. J. Wilkinson

848. Verbascum pulverulentum, Vill.

Waste places, Norfolk and Suffolk.

Distrib. Europe, from Belgium southwards (excluding Greece & Russia).

<i>Sp.</i> Heacham, Norfolk	...	...	1896	...	F. H. Weekes.	...	F. H. Weekes
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849. *Verbascum lychnitis*, Linn.

*Waste places, Suffolk, Stafford, and
Denbigh southwards.*

Distrib. Europe (South of Denmark),
W. Asia.

<i>Sp.</i> Caxton, Kent...	...	...	...	1828	...	Prof. Henslow	...	Rev. J. Dalton
Cobham, Kent	...	...	...	1892	...	Dr. Ornam	...	W. Whitwell
						S. Broody		

850. *Verbascum nigrum*, Linn.

*Waste places, Notts. and Stafford
southwards.*

Distrib. Europe, Siberia.

<i>Sp.</i> Falmouth, Cornwall	...	...	...	1830	...	L. Squires	...	S. Hailstone
Newmarket, Cambs.	...	...	...	1830	...	Rev. J. Dalton	...	Rev. J. Dalton
Devil's Ditch, Cambridge	...	...	...	1839	...	S. Hailstone	...	S. Hailstone

851. *Verbascum virgatum*, Stokes.

*Waste places, Norfolk and Stafford
southwards.*

Distrib. Europe, N. Africa, W. Asia, etc.

<i>Sp.</i> Devonshire	...	...	...	1810	...	Rev. J. Dalton	...	Rev. J. Dalton
Torquay, Devon. (Ex. Hort)...	...	...	...	1832	...	Jno. Leafe	...	S. Hailstone
Seamer, Scarboro', Yorks.	...	...	...	1863	...	W. Bean	...	H. J. Wilkinson

852. *Verbascum Blattaria*, Linn.

Distrib. as *V. virgatum*.

<i>Sp.</i> No locality	...	...	...	...	...	E. Donn	...	Rev. J. Dalton
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853. *Liraria cymbalaria*, Mill.

Old walls from Perth southwards.

Distrib. Europe, from Holland south-
wards (excluding Turkey).

<i>Sp.</i> Hythe, Kent	...	...	...	(1840)	...	Mrs. J. Hailstone	S. Hailstone
Battersea	...	...	...	1810	...	W. Middleton	W. Middleton
Chelsea	...	...	...	1820	...	Rev. J. Dalton	Rev. J. Dalton
Fountains Abbey, Yorks.	...	...	...	1835	...	Rev. W. Gray	H. J. Wilkinson
Walls at Battersea & Temple Gardens	1800	...	...	...	...	S. Hailstone	S. Hailstone

854. *Linaria Elatina*, Mill.*Sandy cornfields, Anglesey and York southwards.**Distrib.* Europe, N. Africa, W. Asia.

<i>Sp.</i> Brighton, Sussex	...	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
Brighton	„	...	...	1810	...	W. Middleton	...	W. Middleton
Bristol, Glos.	...	...	...	1882	...	H. Fisher	...	H. J. Wilkinson

855. *Linaria spuria*, Mill.*Sandy fields, Lincs. and Notts. southwards.**Distrib.* Europe, N. Africa, W. Asia.

<i>Sp.</i> Hurstpierpoint	...	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
Gloucestershire	...	...	...	(1810)	...	Sir J. E. Smith	...	„
Brighton, Sussex	...	...	...	1810	...	W. Middleton	...	W. Middleton
Snailwell, Cambs.	...	...	...	1830	...	Rev. J. Dalton	...	Rev. J. Dalton
Kettering, Northants.	...	...	...	1840	...	R. Leyland	...	„

856. *Linaria triphylla*, Mill.*Casual alien.**Distrib.* S. Europe.

<i>Sp.</i> Field near Mrs. Bower's plantation, probably escaped from a garden	...	...	...	1806	...	W. Middleton	...	W. Middleton
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857. *Linaria supina*, Desf.*Casual.**Distrib.* S. Europe.

<i>Sp.</i> St. Blaze's Bay, Cornwall	...	...	...	1849	...	Geo. Maw	...	S. Hailstone
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858. *Linaria spartea*, Hoff.*Casual alien.**Distrib.* S. Europe.

<i>Sp.</i> Walton, Surrey	...	...	...	1843	...	H. C. Watson	...	S. Hailstone
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859. *Linaria Pelisseriana*, Mill.*Channel Islands.**Distrib.* S. Europe and W. Asia.

<i>Sp.</i> St. Owen's, Jersey	...	...	...	1840	...	C. C. Babington	...	S. Hailstone
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860. *Linaria purpurea*, Linn.*Casual alien.**Distrib.* Italy, Sicily.

<i>Sp.</i> No locality	...	...	...	...	...	S. Hailstone	...	S. Hailstone
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861. *Linaria repens*, Mill.

Waste places, from Westmorland southwards.

Distrib. South and Central Europe
(excluding Turkey and Greece).

<i>Sp.</i> Falmouth, Devon	...	...	1836	...	B. Baker	...	B. Baker
Bayfield, Berks.	...	...	1840	...	S. Hailstone	...	S. Hailstone
Cornwall	...	...	(1820)	...	Hooker	...	Rev. J. Dalton
Penryn, Cornwall	...	...	(1830)	...	L. Squire	...	S. Hailstone
Cowes, Isle of Wight	...	...	1820	...	S. Hailstone	...	S. Hailstone

862. *Linaria vulgaris*, Mill.

Waste ground, Moray and Dumbarton southwards, Ireland.

Distrib. Europe (excluding Turkey),
Siberia, introduced in N. America.

<i>Sp.</i> Thornton Bridge, Brafferton, Yorks.	...	1829	...	Rev. W. Gray	...	H. J. Wilkinson
Near Ripon. <i>Peloria</i> form	...	(1800)	...	W. Brunton	...	Rev. J. Dalton

863. *Linaria minor*, Desf.

Sandy cornfields.

Distrib. Europe (excluding Turkey),
N. Africa.

<i>Sp.</i> Shipley, Yorks.	...	1844	...	Mr. Birkbeck	...	S. Hailstone
Copgrove, Yorks.	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Bristol, Glos.	...	1844	...	H. Fisher	...	H. J. Wilkinson

864. *Antirrhinum majus*, Linn.

Alien on old walls, etc.

Distrib. Europe, from Holland southwards, introduced in N. America.

<i>Sp.</i> Rushen Abbey, Isle of Man	...	1841	...	S. Hailstone	...	S. Hailstone
Whalley Abbey	...	1807	...	"	...	"
St. Dunstan's Palace, Mayfield	...	(1830)	...	Borrer	...	Rev. J. Dalton
Rye, Sussex	...	(1820)	...	W. Middleton	...	W. Middleton

**865. *Antirrhinum Orontium*,
Linn.**

Cornfields from Norfolk and Anglesey southwards.

Distrib. Europe (Denmark southwards),
N. Africa, Siberia, W. Asia to N.W.
India, introduced in N. America.

<i>Sp.</i> Southampton, Hants.	...	(1820)	...	W. Middleton	...	W. Middleton
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866. *Scrophularia aquatica*,**Linn.***Wet places, from Berwick southwards.**Distrib.* South and Central Europe,

N. Africa, W. Asia to India.

<i>Sp.</i> Copgrove, Yorks.	1790 ...	Rev. J. Dalton ...	Rev. J. Dalton
Kirkstall, Yorks.	(1800)...	S. Hailstone ..	S. Hailstone

867. *Scrophularia nodosa*,**Linn.***Ditches and shady ground,**Distrib.* Europe, Siberia, W. Asia and

N. America.

<i>Sp.</i> Copgrove, Yorks.	1790 ...	Rev. J. Dalton ...	Rev. J. Dalton
Hildenley Woods, Yorks.	1810 ...	W. Middleton ...	W. Middleton
Roslin	1810 ...	S. Hailstone ...	S. Hailstone

868. *Scrophularia Scorodonia*,**Linn.***Shaded places, Cornwall, Devon, Jersey, Guernsey.**Distrib.* W. & S. Europe, N. Africa.

<i>Sp.</i> Guernsey	1833 ...	S. Hailstone ...	S. Hailstone
Jersey	1826 ...	„ ...	„
Kingsbridge, Devon	1830 ...	Rev. J. Dalton ..	Rev. J. Dalton

869. *Scrophularia vernalis*,**Linn.***Denizen, very local.**Distrib.* Europe (excluding Spain,

Greece, and Turkey).

<i>Sp.</i> Hampstead	(1830)...	Dr. Bromfield ...	S. Hailstone
Linlithgow	1830 ...	S. Hailstone ...	„
Cowling, near Bedale, Yorks.	(1820)...	J. Backhouse ...	„
Coxwold, Yorks.	1800 ...	W. Brunton ...	„

870. *Mimulus luteus*, Linn.*Stream sides, from Skye southwards,**Ireland, naturalized.**Distrib.* N. America.

<i>Sp.</i> Banks, etc., River Nidd, Knaresboro'	1886 ...	H. J. Wilkinson ...	H. J. Wilkinson
River Rye, near Rievaulx Abbey	1890 ...	„ ...	„

871. *Limosella aquatica*,**Linn.***Margins of ponds, etc., from Kincardine southwards.**Distrib.* Temperate and cold regions.

<i>Sp.</i> Lowestoft, Suffolk	..	...	...	1846	...	G. Fitt	...	...	S. Hailstone
Bedford	...	...	...	(1800)	...	Turner	...	...	Rev. J. Dalton
Ditton Marsh, Surrey	...	...	...	1843	...	H. C. Watson	...	...	S. Hailstone
Skipwith, Yorks.	...	...	...	1883	...	H. J. Wilkinson	...	...	H. J. Wilkinson

872. *Sibthorpia europæa*,**Linn.***Shady banks, Southern Counties, Scilly and Channel Islands, Kerry (Ireland).**Distrib.* W. France, Spain, Greece, Turkey, and Azores.

<i>Sp.</i> Cornwall	...	...	...	1836	...	B. Baker	...	...	B. Baker
Jersey	...	...	...	1839	...	S. Hailstone	...	...	S. Hailstone
Dartmoor, Devon	...	...	...	1810	...	Rev. J. Dalton	...	...	Rev. J. Dalton

873. *Digitalis purpurea*, Linn.*Copses, banks, etc., Scotland, England, etc.**Distrib.* Europe (excluding Greece and Turkey).

<i>Sp.</i> Copgrove, Yorks.	...	...	...	1790	...	Rev. J. Dalton	...	...	Rev. J. Dalton
Langwith, Yorks.	...	...	...	1890	...	H. J. Wilkinson	...	...	H. J. Wilkinson

874. *Veronica hederæfolia*,**Linn.***Cultivated ground, Channel Islands, North to Shetlands.**Distrib.* Europe, N. Africa, W. Asia, introduced N. America.

<i>Sp.</i> Copgrove, Yorks.	...	...	...	1790	...	Rev. J. Dalton	...	...	Rev. J. Dalton
"	"	"	"	"	"	"	"	"	"
Kirkstall Abbey, Yorks.	...	...	...	1799	...	S. Hailstone	...	...	S. Hailstone
Crofton Field, near Wakefield	...	...	...	1840	...	"	...	...	"

875. *Veronica polita*, Fries.*Cultivated ground.**Distrib.* Europe, N. Africa, W. Asia, to Altai and Himalaya, introduced N. America.

<i>Sp.</i> Backhouse's Gardens, York	...	...	...	1833	...	S. Hailstone	...	...	S. Hailstone.
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876. *Veronica agrestis*, Linn.*Cultivated ground.**Distrib.* As *V. Polita*.

<i>Sp.</i> Copgrove, Yorks	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Thorp Arch, Yorks.	...	...	1840	...	S. Hailstone	...	S. Hailstone

877. *Veronica Buxbaumi*, Ten.*Originally alien, now widely distributed**Distrib.* Europe, N. Africa, W. Asia to Himalaya, introduced N. America.

<i>Sp.</i> Godalming, Surrey	...	...	1845	...	Jno. D. Salmon	...	S. Hailstone
Heslington Fields, York	...	...		...	Miss Richardson		„
„ „ „	...	...	1842	...	Rev. J. Dalton	...	Rev. J. Dalton

878. *Veronica triphyllos*, Linn.*Sandy fields, Norfolk, Suffolk, and Yorks.**Distrib.* Europe, from Gothland southwards, N. Africa, W. Asia to India.

<i>Sp.</i> Thetford, Norfolk	...	...	1836	...	R. Leyland	...	S. Hailstone
York	...	...	1843	...	Jas. Backhouse	...	„
Icklington, Suffolk	...	...	1803	...	Rev. J. Dalton	...	Rev. J. Dalton
Poppleton, York	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkiuson

879. *Veronica verna*, Linn.*Sandy fields, Norfolk and Suffolk.**Distrib.* Europe, Siberia, W. Asia to India.

<i>Sp.</i> Bury St. Edmunds	...	...	(1806)	...	Dawson Turner	...	S. Hailstone
Thetford, Norfolk	...	...	1835	...	R. Leyland	...	„
Thetford Heath, Norfolk	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
No locality	...	...	1840	...	Sir T. Gage	...	„

880. *Veronica arvensis*, Linn.*Cultivated ground, etc.**Distrib.* Europe, N. Africa, W. Asia, introduced in N. America.

<i>Sp.</i> Copgrove, Yorks.	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Thorp Arch, Yorks.	...	...	1840	...	S. Hailstone	...	S. Hailstone

881. *Veronica serpyllifolia*,**Linn.***Fields and waste places.**Distrib.* Europe, N. Africa, N. & W.

Asia to Himalayas, and N. America.

<i>Sp.</i>	Ray Wood, Castle Howard, Yorks.	...	1806	...	W. Middleton	...	W. Middleton	
	Ben Lawers. <i>V. humifusa</i> ..	...		...	W. Middleton	...	W. Middleton	
	"	"	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
	"	"	...	1840	...	W. Gough	...	S. Hailstone
	"	"	...	1840	...	S. Hailstone	...	"

882. *Veronica alpina*, Linn.*Wet places on high Scotch Alps.**Distrib.* North and Alpine Europe,

Asia, America.

<i>Sp.</i>	Ben Nevis	...	...	1809	...	W. Middleton	...	W. Middleton
	Ben Lomond	...	...	1842	...	McKay	...	S. Hailstone
	Clova	...	...	1831	...	R. K. Greville	...	"

883. *Veronica saxatilis*, Linn.*High Scotch Alps.**Distrib.* North and Alpine Europe,

Greenland.

<i>Sp.</i>	Ben Lawers	...	...	1809	...	W. Middleton	...	W. Middleton
	Clova	...	...	1831	...	R. K. Greville	...	S. Hailstone

884. *Veronica fruticulosa*,**Linn.***Alpine pastures, etc.**Distrib.* W. and S. Europe.

<i>Sp.</i>	Dalvin, Perth	...	...	1809	...	W. Middleton	...	W. Middleton
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885. *Veronica spicata*, Linn.*Chalky pastures, Cambridge, Suffolk,
and Norfolk.**Distrib.* Europe, Siberia.

<i>Sp.</i>	Brandon, Suffolk	...	...	1840	...	J. D. Salmon	...	S. Hailstone
	Bury, Suffolk	...	...	1820	...	S. Hailstone	...	"
	Newmarket Heath, Cambs.	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton

886. *Veronica hybrida*, Linn.*Westmorland to Bristol.**Distrib.* Europe.

<i>Sp.</i>	Umperhead, Lanes.	...	...	1840	...	Hustler	...	S. Hailstone
	Bristol, Glos.	...	...	1810	...	Rev. J. Dalton	...	Rev. J. Dalton
	St. Vincent's Rocks, Glos.	...	...	1810	...	W. Middleton	...	W. Middleton
	Ulverston, Lanes.	...	...	(1809)	...	"	...	"

887. Veronica Allioni, Vill.*Mountain districts.**Distrib.* S. Europe.

<i>Sp.</i> Forfar	...	..	...	...	...	Not known	...	Rev. J. Dalton
This is not <i>V. Allioni</i> . A.B.								

888. Veronica officinalis, Linn.*Banks and roadsides, Common.**Distrib.* Europe, W. Asia to Himalaya,
N. and S. America.

<i>Sp.</i> South-west of Ben Lawers	...	...	1828	...	W. P. Bain	...	B. Baker
Isle of Man	...	...	1841	...	J. Hailstone	...	S. Hailstone

**889. Veronica Chamædrys,
Linn.***Common, banks roadsides, etc., Channel
Islands to Shetland.**Distrib.* Europe, Siberia, introduced in
N. America.

<i>Sp.</i> Corstorphine Hill, Edinburgh	...	1828	...	W. P. Bain	...	B. Baker
Copgrove, Yorks.	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton

890. Veronica montana, Linn.*Moist woods from Skye southwards.**Distrib.* Europe (excluding Greece and
Turkey), N. Africa, W. Siberia.

<i>Sp.</i> Copgrove, Yorks.	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Castle Howard, Yorks.	...	1830	...	S. Hailstone	...	S. Hailstone
Trench Wood	...	1830	...	"	...	"
Stepps Wood, Warley, Yorks.	...	1830	...	"	...	"
Thorpe Arch Woods, Yorks.	...	1832	...	"	...	"

891. Veronica scutellata, Linn.*Bogs and wet places, Shetland south-
wards.**Distrib.* Europe, N. Africa, W. Asia,
N. America, Shetland to Channel
Islands.

<i>Sp.</i> Malton Ings, Yorks.	...	1809	...	W. Middleton	...	W. Middleton
" "	...	...	...	Rev. J. Dalton	..	Rev. J. Dalton
Watery bogs at York...	...	1840	...	H. Baines	...	H. J. Wilkinson
Bradford Moors, Yorks.	...	...	...	S. Hailstone	...	S. Hailstone
Rombalds Moors, Yorks.	...	...	...			

892. Veronica Anagallis, Linn.

Wet places, North to Shetland and Channel Islands.

Distrib. Europe, N. Africa, W. Asia to Himalayas, N. America.

<i>Sp.</i> Coatham, Yorks.	...	...	1799	...	S. Hailstone	...	S. Hailstone
Copgrove, Yorks.	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton

893. Veronica Beccabunga, Linn.

Margins of streams, etc., Shetland to Channel Islands.

Distrib. Europe, N. Africa, N. and W. Asia to Himalayas, Abyssinia.

<i>Sp.</i> Copgrove, Yorks.	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
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894. Euphrasia officinalis, Linn.

Meadows and roadsides, Shetland to Channel Islands.

Distrib. Europe, N. and W. Asia to Himalayas, N. America.

<i>Sp.</i> Croft, Yorks.	...	...	1842	...	Rev. J. Dalton	...	Rev. J. Dalton
Brafferton, Yorks.	...	...	1835	...	Rev. W. Gray	...	H. J. Wilkinson
Killiney Bay, co. Dublin	...	...	1848	...	S. Hailstone	...	S. Hailstone

895. Bartsia viscosa, Linn.

Pastures in S.W. England & Ireland.

Distrib. W. and S. Europe, N. Africa, Caucasus, etc.

<i>Sp.</i> Boxhill, Surrey	...	...	1810	...	Rev. J. Dalton	...	Rev. J. Dalton
Devon	...	...	1809	...	„	...	„
Dartmouth, Devon	...	...	1809	...	„	...	„
Ashfield, Cornwall	...	...	(1830)	...	L. Squire	...	S. Hailstone
Blackpool, Lanes.	...	...	1800	...	S. Hailstone	...	„
Lytham, Lanes.	...	...	...	...	„	...	„

896. Bartsia alpina, Linn.

Sub-Alpine meadows, Yorks. to Ross.

Distrib. Europe, Greenland, Labrador.

<i>Sp.</i> Teesdale	...	...	1815	...	Rev. J. Dalton	...	Rev. J. Dalton
„	...	...	1806	...	W. Middleton	...	W. Middleton
„	...	...	1820	...	S. Hailstone	...	S. Hailstone
„ Widdy Bank	...	...	1833	...	Giles Munby	...	Giles Munby
Gordale Beck, Yorks.	...	...	1842	...	S. Hailstone	...	S. Hailstone
Teesdale, Widdy Bank pastures	...	...	1824	...	„	...	„

896a. Bartsia Odontites, Huds.

Fields and waste places, North to Orkney.

Distrib. Europe, N. Asia, N. Africa, etc.

<i>Sp.</i> Thorp Arch, Yorks.	1840	S. Hailstone	S. Hailstone
Brafferton, Yorks.	1829	Rev. W. Gray	H. J. Wilkinson
Copgrove, Yorks.	1790	Rev. J. Dalton	Rev. J. Dalton

897. Pedicularis palustris,

Linn.

Moist bogs, North to Shetland, Channel Islands.

Distrib. Europe (excluding Spain, Greece and Turkey), Siberia, Daharia.

<i>Sp.</i> Brafferton, Yorks.	1835	Rev. W. Gray	H. J. Wilkinson
Copgrove, Yorks.	1790	Rev. J. Dalton	Rev. J. Dalton
Malham Tarn, Yorks.	1840	S. Hailstone	S. Hailstone
Selby, Yorks.	1840	„	„

898. Pedicularis sylvatica,

Linn.

Damp meadows, North to Shetland, Channel Islands.

Distrib. Europe (excluding Greece and Turkey).

<i>Sp.</i> Copgrove, Yorks.	1790	Rev. J. Dalton	Rev. J. Dalton
Brafferton, Yorks.	1835	Rev. W. Gray	H. J. Wilkinson
Thorp Arch, Yorks.	1840	S. Hailstone	S. Hailstone

899. Rhinanthus Crista-galli,

Linn.

Pastures and roadsides, North to Shetland.

Distrib. Europe, N. Asia, N. America.

<i>Sp.</i> Richmond, Yorks. (<i>R. major</i>) ...	(1809)	Mr. Ward	Rev. J. Dalton
Stockton Common, Yorks. (<i>R. major</i>)	1825	S. Hailstone	S. Hailstone
Scarboro'	1835	„	„

900. Melampyrum cristatum,

Linn.

Fields and copses in Eastern Counties.

Distrib. Europe, Siberia.

<i>Sp.</i> Stetchworth, Cambs....	1839	S. Hailstone	S. Hailstone
Wood Ditton „	1820	Prof. Henslow	Rev. J. Dalton
Potton, Beds.	1820	„	„
Cheveley, Cambs.	1810	Rev. J. Dalton	„
Newport, Essex	1810	„	„

901. *Melampyrum arvense*,**Linn.***Cornfields local in Eastern Counties
and Isle of Wight.**Distrib.* Europe and W. Asia.

<i>Sp.</i> Norwich	...	...	...	(1820)...	Rev. J. Dalton	...	Rev. J. Dalton
"	...	...	...	(1820)...	W. Middleton	...	W. Middleton
Costessey, Norfolk	...	...	...	1806	Rev. J. Dalton	...	Rev. J. Dalton

902. *Melampyrum pratense*,**Linn.***Copses, heaths, etc., North to Orkney.**Distrib.* Europe, Siberia.

<i>Sp.</i> Lowdore	...	...	...	1880	S. Hailstone	...	S. Hailstone
Glen Tilt	...	...	...	1880	"	...	"
Near Brafferton, York	...	...	...	1835	Rev. W. Gray	...	H. J. Wilkinson
Copgrove, Yorks.	..	...	...	1790	Rev. J. Dalton	...	Rev. J. Dalton

903. *Melampyrum sylvaticum*,**Linn.***Sub-Alpine woods, Aberdeen to York
and Durham.**Distrib.* Europe (excluding Greece and
Turkey), Siberia.

<i>Sp.</i> Winch Bridge, Teesdale	...	...	...	1820	W. Middleton	...	W. Middleton
" " "	...	...	...	1800	Brunton	...	Rev. J. Dalton
Perth	...	...	...	1809	Rev. J. Dalton	...	"

O R O B A N C H A E Æ .**904. *Orobanche cærulea*, Vill.***On Achillea millefolium, Norfolk and
Monmouth southwards, Channel
Islands.**Distrib.* South and Central Europe,
W. Asia to Himalaya.

<i>Sp.</i> Mundesley, Norfolk	...	...	...	(1820)...	S. Hailstone	...	S. Hailstone
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905. *Orobanche ramosa*, Linn.*On hemp, tobacco, tomato, and other
plants. Alien.**Distrib.* South and Central Europe.

<i>Sp.</i> Thorgumbald, Yorks.	...	...	...	1909	Hy. Knight	...	J. F. Robinson
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906. *Orobanche major*, Linn.*On roots of Papilionaceæ.**Distrib.* Europe (excluding Turkey),
N. Africa.

<i>Sp.</i> Thetford, Norfolk	...	...	...	(1840)...	J. D. Salmon	...	S. Hailstone
Near Ripon	...	...	...	1800	W. Brunton	...	„
Belle Vue, co. Wicklow	...	...	...	1840	...	...	„

907. *Orobanche rubra*, Sm.*On roots of Thymus, chiefly on W. Coast**Distrib.* Europe, Asia (Himalaya).

<i>Sp.</i> Belfast	...	...	...	1800	Rev. J. Dalton	...	Rev. J. Dalton
Staffa...	...	...	...	1810	Hooker	...	S. Hailstone
Galway	...	...	...	1838	J. H. Balfour	...	„
Leyburn Shoal, Yorks.	...	...	...	(1830)	S. Hailstone	...	„

908. *Orobanche caryophyllacea*, Sm.*On Galia, Rubi, etc., Kent.**Distrib.* South and Central Europe
(excluding Spain & Greece), Siberia,
W. Asia.

<i>Sp.</i> Thorp Arch, Yorks. (<i>Alien</i>)	...	...	...	1832	S. Hailstone	...	S. Hailstone
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909. *Orobanche elatior*, Sutton*Usually on Centaurea in Eastern Counties.**Distrib.* Europe, Denmark southwards
to Caucasus, Siberia, etc.

<i>Sp.</i> Audley End, Essex	...	...	...	1841	Hon. Miss Neville	...	S. Hailstone
Summers Castle, Lincs.	...	...	...	1800	Rev. J. Dalton	...	Rev. J. Dalton
Swinton	...	...	...	1800	W. Middleton	...	W. Middleton

**910. *Orobanche Picridis*,
F. Schultz.***Parasitic on Picris in S. England.**Distrib.* Europe.

<i>Sp.</i> Comberton, Cambs.	...	...	...	1848	C. C. Babington...	...	S. Hailstone
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911. *Orobanche Hederæ*, Duby.*Parasitic on Ivy, S. of England.**Distrib.* Europe.

<i>Sp.</i> Conway Castle.	...	...	...	1859	Rev. J. Dalton, jr.	...	Rev. J. Dalton, jr.
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912. *Orobanche minor*, Sm.*Mostly on Clover.**Distrib.* Europe, South and Central,
N. Africa.

<i>Sp.</i> Costessey, Norfolk	...	...	...	(1880)...	Jas. Backhouse	...	S. Hailstone
" "	...	...	...	...	S. Hailstone	...	"
Sleningsford, Ripon	...	...	...	1806	Rev. J. Dalton	...	Rev. J. Dalton
Heslington Fields, York	...	...	...	1842	J. Kitching	...	S. Hailstone
Dover, Kent	...	...	...	1840	J. D. Salmon	...	"
Dorking, Surrey	...	...	...	1840	S. Hailstone	...	"
Conway Castle	...	...	...	1799	Mr. Bingley	...	"

**913. *Orobanche amethystea*,
Thuill.***South Coast and Channel Islands.**Distrib.* South and Central Europe.

<i>Sp.</i> Whitsand Bay, Cornwall	...	...	...	1849	F. H. Goulding	...	S. Hailstone
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**914. *Lathræa Squamaria*,
Linn.***Parasite usually on Hazel, from Stir-
ing to Devon and Kent, Ireland,**Distrib.* Europe, W. Siberia, Himalaya,
Syria.

<i>Sp.</i> Sleningsford, Yorks.	...	...	...	1800	Rev. J. Dalton	...	Rev. J. Dalton
Eskdale, Yorks.	...	...	...	1820	W. Middleton	...	W. Middleton
Richmond, Yorks.	...	...	...	1840	J. Leefe	...	S. Hailstone
Armiston, Yorks.	...	...	...	1834	Giles Munby	...	"
Mayroyd, Yorks.	...	...	...	1801	S. Hailstone	...	"
Hudswell Banks, Richmond, Yorks.	...	...	...	...	J. Leefe	...	"
Trench Wood	...	...	...	1847	M. Birbeck	...	"

LENTIBULARIÆ.**915. *Utricularia vulgaris*,
Linn.***Ponds & ditches, Shetland to Channel
Islands.**Distrib.* Europe, N. Africa, Siberia,
and N. America.

<i>Sp.</i> Askham Bog, York	...	...	...	1800	S. Hailstone	...	S. Hailstone
Bottisham, Cambs. (major)	...	...	...	1845	"	...	"
Between York and Poppleton	...	...	...	1800	"	...	"
Staveley Carr, Yorks.	...	...	...	1806	Rev. J. Dalton	...	Rev. J. Dalton
Malton Ings, Yorks.	...	...	...	1807	W. Middleton	...	W. Middleton

916. *Utricularia minor*, Linn.

Ponds and ditches from Orkney southwards.

Distrib. Europe(excluding Spain, Greece and Turkey), N. Africa, Siberia, W. Asia to Himalaya, N. America.

<i>Sp.</i> Swansea, Glamorgan (Cromlyn Bog)...	1808	...	W. Middleton	...	W. Middleton
Staveley Carr, Yorks.	...	...	1806	...	Rev. J. Dalton
			Rev. J. Dalton	...	Rev. J. Dalton

917. *Utricularia intermedia*, Hayne.

Ponds and ditches, etc.

Distrib. Europe, N. Asia, N. America.

<i>Sp.</i> Strensall Common, Yorks.	...	...	1916	...	A. Templeman	...	H. J. Wilkinson
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917a. *Utricularia ochroleuca*, R. Hartm.

<i>Sp.</i> Inverness	...	...	...	...	1912	...	Dr. H. Glück	...	A. Bennett
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918. *Pinguicula vulgaris*, Linn.

Wet bogs and dripping rocks, Shetland to Devon.

Distrib. Europe, N. Asia, E. and W., N. America.

<i>Sp.</i> Gordale, Yorks.	...	...	...	...	1799	...	S. Hailstone	...	S. Hailstone
Shelford, Cambs.	...	...	...	...	1833	...	J. S. Henslow	...	B. Baker

919. *Pinguicula grandiflora*, Lam.

Wet bogs in Ireland.

Distrib. W. France, Alps, Pyrenees, Spain and Portugal.

<i>Sp.</i> Glengariff	...	...	...	...	1846	...	Garforth	...	S. Hailstone
Killarney	...	...	...	...	1820	...	Hooker	...	Rev. J. Dalton

920. *Pinguicula alpina*, Linn.

Bogs, Skye and Rosshire.

Distrib. Europe, N. Asia, Himalaya, Greenland, Fuegia.

<i>Sp.</i> Black Isle, Rosshire	...	...	...	...	Maclagan	...	S. Hailstone
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921. Pinguicula lusitanica,**Linn.***Bogs, S.W. England.**Distrib.* W. France, Spain, Portugal.

<i>Sp.</i> Devon	...	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
Southampton, Hants...	...	...	...	1820	...	,,	...	,,

VERBENACEÆ.**922. Verbena officinalis, Linn.***Waste places, Northumberland southwards.*

<i>Sp.</i> Poulton, Lanes.	...	...	...	1800	...	S. Hailstone	...	S. Hailstone
Bridge over the River Derwent, Kexby, S.E. Yorks.	...	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson

LABIATÆ.**923. Mentha rotundifolia.***Wet places and roadsides from Forfar southwards.**Distrib.* South and Central Europe,
N. Africa, W. Asia, Siberia.

<i>Sp.</i> Sussex	...	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
Settle, Yorks.	...	...	...	1833	...	J. S. Howson	...	S. Hailstone
Near Ripon, Yorks.	...	...	...	1815	...	Rev. J. Dalton	...	Rev. J. Dalton
Neath	...	...	...	1820	...	W. Middleton	...	W. Middleton

925. Mentha sylvestris.*Moist waste paces from Forfar southwards.**Distrib.* Europe, N. Africa, Siberia.
W. Asia to N.W. India.

<i>Sp.</i> Sidlaw Hills, Forfar	...	...	...	1837	...	H. Gardiner	...	S. Hailstone
Wass, Yorks.	...	...	...	1800	...	Rev. J. Dalton	...	Rev. J. Dalton
Cardiff	...	...	...	1806	...	W. Middleton	...	W. Middleton
Wenlock Abbey, Shropshire	(3)	1797	...	...	...	W. Sole	...	Rev. J. Dalton
Hillington, Middlesex (<i>Villosa 2nd</i>)	(2)	1797	...	...	...	,,	...	,,
Box Mead, Wilts (<i>Villosa prima</i>)	(1)	1797	...	...	...	,,	...	,,

926. *Mentha viridis*.

*Waste places in England and Scotland
(possibly indigenous in North of
England), not native in Ireland.*

Distrib. South and Central Europe.

<i>Sp.</i> Cowbridge, Glamorgan	...	...	1806	...	W. Middleton	...	W. Middleton
Ripon, Yorks.	...	...	1800	...	Brunton	...	S. Hailstone
Box, Wilts.	...	...	(5) 1798	...	W. Sole	...	Rev. J. Dalton

927. *Mentha piperita*.

*Wet places from Aberdeen southwards,
Ireland.*

Distrib. Europe, introduced U. S.
America.

<i>Sp.</i> Lyncombe Spa, Bath...	...	(24)	1798	...	W. Sole	...	Rev. J. Dalton
Bradford, Yorks.	...	...	1820	...	S. Hailstone	...	S. Hailstone
River Avon, Newton Bridge	...	(7)	1798	...	W. Sole	...	Rev. J. Dalton
Bath, Somerset	...	...	(8) 1798	...	„	...	„
Ripon, Yorks.	...	...	... (1800)	...	Brunton	...	S. Hailstone

928. *Mentha hirsuta*.

Wet places, Orkney to Devon.

Distrib. Europe, N. Africa, N. and W.
Asia, introduced U.S. America.

<i>Sp.</i> Brafferton, Yorks.	...	...	1829	...	Rev. W. Gray	...	Rev. W. Gray
Ripon, Yorks.	...	...	1820	...	Brunton	...	S. Hailstone
Croft, Yorks.	...	...	1842	..	Rev. J. Dalton	...	Rev. J. Dalton
Salisbury Hill, Batheaston, Somerset (<i>minor</i>)	...	(10)	1798	...	W. Sole...	...	Rev. J. Dalton
Bath, Somerset (<i>major</i>)	...	(11)	1798	...	„	...	„
St. Vincent's Rocks, Bristol (<i>procumbens</i>)	...	(11)	1798	...	„	...	„
Lansdown, Somerset (<i>tomentosa</i>)	...	(11)	1798	...	„	...	„
King's Sedge Moors, Somerset (<i>M. palustris</i>)	Sole	(6)	1798	...	„	...	„

929. *Mentha citrata*.

Waste places, Staffs., Wales.

Distrib. Europe.

<i>Sp.</i> No date or locality	...	...	...	...	...	...	Rev. J. Dalton
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930. *Mentha sativa*.

Wet places and roadsides from Argyle southwards.

Distrib. Europe, N. America.

Sp. Bath, Somerset ... 1762 ... T. Haviland ... Rev. J. Dalton

This specimen was given me by the late Mr. T. Haviland, of Bath, who found it in 1762, and is now my *Rivalis*.—W. Sole.

Wales and Shropshire ... (21) 1798 ... W. Sole ... Rev. J. Dalton

930a. *Mentha paludosa*, Sole.

Sp. In a dyke by the side of Awdry-Causey July 29

near Hadenham, Isle of Ely (22) 1778 ... W. Sole ... Rev. J. Dalton

I have now (1798) in my M. Brit. called it *paludosa*, this is the original specimen from its habitat.

930b. *Mentha rivalis*.

Sp. Locksbrook, Bath ... (20) 1798 ... W. Sole ... Rev. J. Dalton

King's Mead, Bath ... (20) Var. 1 1798 ... „ „

Salisbury Marshes, Wilts. (20) Var. 2 1798 ... „ „

Locksbrook and Tiverton,

Bath ... (20) Var. 3 1798 ... „ „

932. *Mentha rubra*.

Wet places, common in England, rarer in Scotland and Ireland.

Distrib. Europe.

Sp. Ripon, Yorks. ... (1800) ... Brunton ... S. Hailstone

Scarisbrick, Lanes. ... (1800) ... S. Hailstone „

933. *Mentha gracilis*.

Wet places, common.

Distrib. Europe. •

Sp. Bradford, Wilts. ... (16) 1798 ... W. Sole ... Rev. J. Dalton

Cranford Bridge, Middlesex ... (16b) 1798 ... „ „

Alderbury, Hants. ... 1798 ... „ „

933a. *Mentha pratensis*, Sole.

Sp. Alderbury Common, Hants. ... (17) 1789 ... W. Sole ... Rev. J. Dalton

934. *Mentha gentilis*.

Waste places in England, rarer in Scotland.

Distrib. Europe.

<i>Sp.</i> Giggleswick, Yorks. ...	...	(1830) ...	Jno. Howson ...	S. Hailstone
North Wales ...	...	(18) 1797 ...	W. Sole ...	Rev. J. Dalton
Gosport, Hants. ...	...	(18b) 1774 ...	" ...	"
Bath, Somerset ...	...	(15) 1798 ...	" ...	"

935. *Mentha arvensis*.

Cultivated fields and waste ground.

Distrib. Europe, N. Asia, W. Asia to Himalayas, introduced N. America.

<i>Sp.</i> Hounslow Heath, Middlesex (12) Var. 3	1798 ...	W. Sole ...	...	Rev. J. Dalton
Bath, Somerset ...	(12) Var. 2 1798 ...	" ...	...	"
Bath, Somerset ...	(12) 1798 ...	" ...	...	"
Croft	... 1842 ...	Rev. J. Dalton, jr.	...	Rev. J. Dalton, jr.
Frome, Somerset (14) <i>M. agrestis</i>	1798 ...	W. Sole ...	...	Rev. J. Dalton

936. *Mentha Pulegium*, Linn.

Pools, wet heaths, etc., from Ayr southwards.

Distrib. Europe, N. Africa, Siberia, W. Asia.

<i>Sp.</i> Skipwith, S.E. Yorks. ...	... 1882 & 1883	H. J. Wilkinson...	H. J. Wilkinson
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937. *Lycopus europæus*, Linn.

Wet places, common from Ross southwards.

Distrib. Europe, N. Africa, W. Asia to India, N. America, Australia.

<i>Sp.</i> Lochnaw ...	... 1835 ...	J. H. Balfour ...	S. Hailstone
Copgrove, Yorks. ...	... 1790 ...	Rev. J. Dalton ...	Rev. J. Dalton
Heslington Fields, York ...	... 1800 ...	S. Hailstone ...	S. Hailstone
Between Preston and Whalley, Lancs.	1800 ...	" ...	"

938. *Origanum vulgare*, Linn.

Dry banks and roadsides from Caithness southwards.

Distrib. Europe, N. Africa, Siberia, W. Asia to Himalaya, introduced N. America.

<i>Sp.</i> Crctf, Yorks....	... 1842 ...	Rev. J. Dalton, jr.	Rev. J. Dalton, jr.
Eastware Bay, Kent. ...	... 1840 ...	S. Hailstone ...	S. Hailstone
Dover Castle ...	... 1840 ...	" ...	"
Gordale, Yorks. ...	... (1800) ...	" ...	"
Near Topcliffe, Yorks. ...	... 1829 ...	Rev. W. Gray ...	H. J. Wilkinson

939. Thymus Serpyllum, Linn.

Dry hilly places and banks, North to Shetland, Channel Islands.

Distrib. Europe, W. Asia, Siberia, Himalayas. Greenland, introduced N. America.

<i>Sp.</i> Innerleithen, Peebles...	...	...	1840	...	Not known	...	S. Hailstone
Pilmoor, Yorks.	...	...	1834	...	Rev. W. Gray	...	H. J. Wilkinson
Luddenden, Yorks.	...	...	1799	...	S. Hailstone	...	S. Hailstone
Fleetwood, Lanes.	...	...	1842	...	"	...	"

Covering large patches of sandy ground.

941. Satureja montana, Linn.

An escape from gardens in this country.

Distrib. South Europe.

<i>Sp.</i> Lewes Castle, Sussex	...	...	1806	...	Rev. J. Dalton	...	Rev. J. Dalton
" Known there for a century."							

942. Calamintha Clinopodium, Benth.

Roadsides, banks, etc., from Banff southwards.

Distrib. Europe, N. Africa, N. & W. Asia to India, Japan, Canada, introduced N. America.

<i>Sp.</i> Bottisham, Cambs.	...	...	1845	...	S. Hailstone	...	S. Hailstone
Royle, near Burnley (var. <i>Flora albo.</i>)	...	...	1801	...	"	...	"

943. Calamintha arvensis, Linn.

Dry fields and waste ground from Inverness southwards.

Distrib. Europe, N. Africa.

<i>Sp.</i> Near Copgrove, Yorks.	*...	...	1834	...	Rev. W. Gray	...	H. J. Wilkinson
Ripon, Yorks.	...	...	1840	...	S. Hailstone	...	S. Hailstone
Newmarket Heath, Cambs.	...	...	1845	...	"	...	"
Dirleton Common, Cambs.	...	...	1840	...	"	...	"

944. Calamintha Nepeta, Sav.

Sandy soils from York to Kent.

Distrib. Europe.

<i>Sp.</i> Ruthin Castle, Carnarvon	*...	...	1808	...	S. Hailstone	...	S. Hailstone
Near Hull	...	*...	1800	...	Brunton	...	"
Walls, Dover Castle	*...	...	1840	...	Mrs. J. Hailstone	...	

* The specimens marked * are *C. officinalis*.

**945. Calamintha officinalis,
Mœench.**

Fields, on sandy soil from Westmorland southwards.

Distrib. Europe, N. Africa, W. Asia, introduced N. America.

<i>Sp.</i> Bristol, Glos.	...	...	1843	...	Leo H. Grinden	...	S. Hailstone
Kiddall, Yorks.	...	...	1811	...	S. Hailstone	...	S. Hailstone
Chippenhams, Cambs...	...	...	1843	...	"	...	"

**946. Calamintha sylvatica,
Bromf.**

Chalky banks, Isle of Wight and South Coast.

Distrib. S. Europe, N. Africa.

<i>Sp.</i> Isle of Wight...	...	...	1844	...	W. L. Notentt	...	S. Hailstone
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947. Salvia Verbenaca, Linn.

Waste ground, from Ross southwards.

Distrib. S. Europe, N. Africa, W. Asia.

<i>Sp.</i> Under the Walls, York	...	...	1800	...	S. Hailstone	...	S. Hailstone
Scarboro', Castle Hill, Yorks.	...	...	1800	...	"	.	"
Coatham, Yorks.	...	...	1800	...	"	...	"

948. Salvia pratensis, Linn.

Dry fields in Southern Counties.

Distrib. Europe, W. Asia.

<i>Sp.</i> Bottisham, Cambs., from a field belonging to the Vicarage	...	...	1843	...	S. Hailstone	...	S. Hailstone
Cobham, Kent	...	...	(1820)	...	Prof. Henslow	...	Rev. J. Dalton

949. Nepeta Cataria, Linn.

Waste ground, from Northumberland southwards.

Distrib. Europe, W. Asia to India, introduced N. America.

<i>Sp.</i> Swinton, Yorks.	...	...	(1807)	...	W. Middleton	...	W. Middleton
Mold, Flintshire	...	...	(1809)	...	"	...	"
Copgrove, Yorks.	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Borobridge and Thirsk	...	...	1800	...	S. Hailstone	...	S. Hailstone

950. *Nepeta Glechoma*, Benth.

Shady banks, etc., from Caithness southwards.

Distrib. Europe, N. & W. Asia, Japan, introduced U.S. America.

<i>Sp.</i> Copgrove, Yorks. ...	...	1790 ...	Rev. J. Dalton ...	Rev. J. Dalton
Heslington, Yorks. ...	...	1800 ...	S. Hailstone ...	S. Hailstone

951. *Scutellaria galericulata*, Linn.

Watery places, from Shetland southwards.

Distrib. Europe, N. Africa, N. Asia to India, N. America.

<i>Sp.</i> Bottisham Fen, Cambs. ...	...	1843 ...	S. Hailstone ...	S. Hailstone
Granchester, Cambs. ...	...	1839 ...	„ ...	„
Askham Bog, York ...	...	1800 ...	„ ...	„
Angus ...	...	1842 ...	J. H. Balfour ...	„
Copgrove, Yorks. ...	...	1790 ...	Rev. J. Dalton ...	Rev. J. Dalton
Heslington Fields, York ...	...	1800 ...	W. Middleton ...	W. Middleton

952. *Scutellaria minor*, Huds.

Swampy common, from Inverness southwards.

Distrib. South and Central Europe (excluding Greece and Turkey), W. Asia to Himalaya.

<i>Sp.</i> Adel, near Leeds ...	...	1820 ...	S. Hailstone ...	S. Hailstone
Galway, Ireland ...	...	1838 ...	J. H. Balfour ...	„
No locality ...	...	(1800) ...	Sir T. Gage ...	Rev. J. Dalton
Tunbridge Wells, Kent ...	...	1812 ...	W. Middleton ...	W. Middleton
Strensall Common, York ...	...	1882 ...	H. J. Wilkinson ...	H. J. Wilkinson

953. *Prunella vulgaris*, Linn.

Pastures and roadsides, Shetland, Channel Islands.

Distrib. Europe, N. Africa, Asia, America, and Australia.

<i>Sp.</i> Copgrove, Yorks. ...	...	1790 ...	Rev. J. Dalton ...	Rev. J. Dalton
Askham Bogs, York ...	...	1800 ...	S. Hailstone ...	S. Hailstone

**954. Melittis Melissophyllum,
Linn.**

Shady places in South of England.

Distrib. S. Europe (France to the
Balkans).

<i>Sp.</i> Plymouth, Devon	...	...	1896	...	Dr. O. St. Brody	Wm. Whitwell
St. Leonard's Forest	...	...	1820	...	Rev. J. Dalton	Rev. J. Dalton
Warleigh, Devon	...	...	1836	...	Hore	S. Hailstone
Near Netley Abbey	...	...	1812	...	Rev. J. Dalton	Rev. J. Dalton

955. Marrubium vulgare, Linn.

Waste places, from Elgin southwards.

Distrib. Europe, N. Africa, W. Asia
to India, introduced N. America.

<i>Sp.</i> Topcliffe, Yorks.	...	...	1840	...	Jas. Backhouse	S. Hailstone
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956. Stachys Betonica, Benth.

*Copses and waste ground, from Perth
southwards.*

Distrib. Europe, N. Africa, W. Siberia

<i>Sp.</i> Copgrove, Yorks.	...	...	1790	...	Rev. J. Dalton	Rev. J. Dalton
Heslington, near York	...	...	1806	...	S. Hailstone	S. Hailstone

**957. Stachys germanica,
Linn.**

*Fields and waste ground in Southern
Counties, rare.*

Distrib. S. Europe, W. Asia to India

<i>Sp.</i> Collected by the Poet Crabbe	...	...		...		S. Hailstone
Locality not known	...	...				

958. Stachys palustris Linn.

Moist places, North to Shetland, etc.

Distrib. Europe, Siberia, W. Asia to
Himalayas, E. & W. N. America.

<i>Sp.</i> Anglesey Abbey	...	...	1843	...	S. Hailstone	S. Hailstone
Malham, Yorks.	...	...		...	"	"
Croft, Yorks....	...	...	1842	...	Rev. J. Dalton, jr.	Rev. J. Dalton, jr.

959. *Stachys ambigua*, Sm.*Hybrid between palustris & sylvatica.**Distrib.* With the same.

<i>Sp.</i> Galloway	...	...	...	1835	...	Dr. McNab	...	S. Hailstone
Thames Ditton, Surrey	...	...	...	1843	...	H. C. Watson	...	,,
Skern, near Darlington, Yorks.	...	...	...	1820	...	W. Backhouse	...	
Wrotham, Kent	...	...	...	1845	...	E. Edwards	...	Rev. J. Dalton, jr.

960. *Stachys sylvatica*, Linn.*Shady places, common North to Shetland.**Distrib.* Europe, Siberia, W. Asia to Himalayas.

<i>Sp.</i> Copgrove, Yorks.	...	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Thorp Arch, Yorks.	...	...	...	1840	...	S. Hailstone	...	S. Hailstone
Croft, Yorks....	...	...	...	1842	...	Rev. J. Dalton, jr.	...	Rev. J. Dalton, jr.

961. *Stachys arvensis*, Linn.*Cultivated ground, North to Shetland.**Distrib.* Europe, N. Africa, W. Asia to India, N. America introduced.

<i>Sp.</i> Copgrove, Yorks.	...	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Poppleton, near York	...	...	...	1806	...	S. Hailstone	...	S. Hailstone

**962. *Galeopsis Ladanum*,
Linn.***Cornfields, etc., from Elgin southwards.**Distrib.* Europe, Siberia, W. Asia, introduced N. America.

<i>Sp.</i> Croft, Yorks.	...	...	...	1842	...	Rev. J. Dalton, jr.	...	Rev. J. Dalton, jr.
Copgrove, Yorks.	...	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Bottisham, Cambs.	...	...	...	1842	...	S. Hailstone	...	S. Hailstone

**963. *Galeopsis angustifolia*,
Ehrh.***Common in South of England.**Distrib.* As in *G. Ladanum* but rarer.

<i>Sp.</i> Shorne, Kent	...	...	...	1806	...	W. Middleton	...	W. Middleton
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964. Galeopsis villosa, Huds.*Sandy cornfields from York to Essex.**Distrib.* Europe, Denmark southwards.

<i>Sp.</i> Bangor, N. Wales	...	...	1840	...	J. B. Wood	...	S. Hailstone
Gateforth, near Selby	...	...	(1820)	...	J. Backhouse	...	W. Middleton
"	"	...	(1820)	...	"	...	S. Hailstone

**965. Galeopsis versicolor,
Curt.***Cultivated ground.**Distrib.* Europe, N. Asia, W. Asia to
India, introduced N. America.

<i>Sp.</i> Copgrove, Yorks.	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Richmond, Yorks.	...	...	1880	...	Jno. Leefe	...	S. Hailstone
Heslington Fields, York	...	...	1801	...	S. Hailstone	...	"
Bottisham, Cambs.	...	...	1820	...	"	...	"
Great Horton, Yorks...	...	...	1806	...	"	...	"

966. Galeopsis Tetrahit, Linn.*Cornfields and waste ground, from
Shetland southwards.**Distrib.* Europe, N. & W. Asia to India,
Introduced N. America.

<i>Sp.</i> Copgrove, Yorks.	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
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967. Leonurus Cardiaca, Linn.*Waste places, not indigenous.**Distrib.* Europe, Siberia, W. Asia to
Himalaya, introduced N. America.

<i>Sp.</i> Scotton, near Knaresboro', Yorks.	...	...	1800	...	Rev. J. Dalton	...	Rev. J. Dalton
St. David's Head	...	...	1809	...	W. Middleton	...	W. Middleton
Coatham, Yorks.	...	...	1799	...	S. Hailstone	...	S. Hailstone
Tarlton Bridge	...	...	1801	...	"	...	"

**968. Lamium amplexicaule,
Linn.***Sandy waste ground, North to Orkney,
etc.**Distrib.* Europe, N. Africa, W. Asia to
India, introduced N. America.

<i>Sp.</i> Snailwell, Cambs.	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
Pontefract Castle, Yorks.	...	...	1830	...	S. Hailstone	...	S. Hailstone
Trumpington, Cambridge	...	...	1830	...	"	...	"

**969. *Lamium intermedium*,
Fries.**

*Sandy cultivated ground, Scotland and
North of England.*

Distrib. N. and W. Europe (excluding
Spain).

Sp. Craiglochart ... 1836 ... W. H. Campbell S. Hailstone

970. *Lamium incisum*, Willd.

Waste and cultivated ground.

Distrib. W. and S. Europe.

Sp. Woolwich, Kent ... 1847 ... Geo. W. Sandys... S. Hailstone

**971. *Lamium purpureum*,
Linn.**

*Fields, etc., Shetland to Channel
Islands.*

Distrib. Europe, Canaries, Siberia, W.
Asia, introduced N. America.

Sp. Copgrove, Yorks. ... 1790 ... Rev. J. Dalton ... Rev. J. Dalton

**972. *Lamium maculatum*,
Linn.**

Not indigenous.

Distrib. Europe, N. Africa, W. Asia.

Sp. Bristol, Glos. ... (1840) ... Dr. Woodford ... S. Hailstone
Carneil ... 1836 ... D. Dewar ... „

973. *Lamium album*, Linn.

Shady places.

Distrib. Europe, N. Africa, N. Asia,
introduced N. America.

Sp. Brafferton, Yorks. ... 1835 ... Rev. W. Gray ... H. J. Wilkinson
Croft, Yorks.... ... 1842 ... Rev. J. Dalton, jr. Rev. J. Dalton, jr.
York 1800 ... S. Hailstone ... S. Hailstone

**974. *Lamium Galeobdolon*,
Crantz.**

Shady places, mostly Calcareous.

Distrib. Europe, W. Siberia, S. Russia.

Sp. By the side of the old road from High-
gate to London ... 1815 ... W. Middleton ... W. Middleton
Thorp Arch, Yorks. ... 1832 ... S. Hailstone ... S. Hailstone
Bell Bank Wood, Bingley ... 1832 ... „ ... „
Near Ripon ... 1835 ... Rev. W. Gray ... H. J. Wilkinson

975. *Ballota nigra*, Linn.

Hedgebanks, from the Forth southwards.

Distrib. Europe, N. Africa, introduced
N. America.

<i>Sp.</i> Copgrove, Yorks.	...	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
York	...	...	...	1829	...	S. Hailstone	...	S. Hailstone

**976. *Teucrium Scordium*,
Linn.**

*Wet meadows, etc., Yorks., Norfolk,
Cambridge, Devon, etc.*

Distrib. Europe, N. Africa, W. Asia to
Himalayas.

<i>Sp.</i> Ely, Cambs.	...	...	...	1901	...	J. & A. Bennett	...	H. J. Wilkinson
Bolton Beck, Richmond, Yorks.	...	...	...	1854	...	H. Ibbotson	...	„

**977. *Teucrium Chamædrys*,
Linn.**

Old walls and ruins, not indigenous.

Distrib. Europe, W. Asia.

<i>Sp.</i> St. David's, Pemb.	...	...	...	(1810)	...	W. Middleton	...	W. Middleton
Norwich	...	...	...	1820	...	S. Hailstone	...	S. Hailstone

**978. *Teucrium Scorodonia*,
Linn.**

Woods and hedges, frequent.

Distrib. Europe (excluding Russia),
N. Africa.

<i>Sp.</i> Near Ripon, Yorks.	...	...	...	1800	...	Rev. J. Dalton	...	Rev. J. Dalton
Sandgate, Kent	...	...	...	1847	...	Mrs. J. Hailstone	...	S. Hailstone

979. *Ajuga reptans*, Linn.

Pastures & roadsides, Shetland southwards.

Distrib. Europe.

<i>Sp.</i> Dunmeer, Cornwall	...	...	...	1830	...	B. Baker	...	B. Baker
Brafferton, Yorks.	...	...	...	1834	...	Rev. W. Gray	...	H. J. Wilkinson

980. *Ajuga pyramidalis*, Linn.

Mountain woods, N. Scotland, W. Ireland.

Distrib. Europe.

<i>Sp.</i> Ex. hort	...	...	...	1800	...	H. C. Watson	...	S. Hailstone
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**981. Ajuga Chamæpitys,
Schreb.**

Chalky fields, South of England.

Distrib. South and Central Europe,
N. Africa, W. Asia.

<i>Sp.</i> Dartford, Kent	...	...	...	1810	...	Rev. J. Dalton	...	Rev. J. Dalton
Boxhill	„	...	...	1820	...	W. Middleton	...	W. Middleton
Cobham	„	...	...	1843	...	E. Edwards	...	Rev. J. Dalton jr.

PLANTAGINEÆ.

982. Plantago major, Linn.

Waste places.

Distrib. Europe, N. Africa, N. Asia,
W. Asia to Himalaya, introduced
N. America.

<i>Sp.</i> Copgrove, Yorks.	...	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
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983. Plantago media, Linn.

Waste ground, roadsides, etc.

Distrib. As *P. major*.

<i>Sp.</i> Copgrove, Yorks.	...	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
York	...	...	...	1880	...	S. Hailstone	...	S. Hailstone

984. Plantago maritima, Linn.

*Maritime and montane positions and
sandy commons inland.*

Distrib. Europe, N. Africa, Siberia,
W. Asia to Himalayas, N. America.

<i>Sp.</i> Coatham, Yorks.	...	...	...	1799	...	S. Hailstone	...	S. Hailstone
High Force, Teesdale, Yorks	...	...	...	1846	...	„	...	„

**985. Plantago Coronopus,
Linn.**

Sandy places, especially near the sea.

Distrib. Europe, N. Africa, W. Asia.

<i>Sp.</i> Copgrove, Yorks.	...	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Coatham, Yorks.	...	...	...	1799	...	S. Hailstone	...	S. Hailstone
South Denes, Yarmouth	...	...	...	1846	...	„	...	„

986. Littorella lacustris, Linn.

Margins of ponds, etc., North to Shetland, etc.

Distrib. Europe (excluding Turkey),
The Azores.

<i>Sp.</i> Near Ripon	...	...	...	1800	...	Rev. J. Dalton	...	Rev. J. Dalton
Loch of Clunie, Perthshire	...	...	...	(1820)	...	Miss Watson	...	W. Middleton
Strensall, near York	...	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson

ILLECEBRACEÆ.**987. Illecebrum verticillatum,**

Linn.

Sandy bogs, Devon and Cornwall.

Distrib. Europe, N. Africa.

<i>Sp.</i> Helston, Cornwall	...	...	...	1832	...	Dr. Bromfield	...	S. Hailstone
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988. Herniaria glabra, Linn.

Sandy soils, Eastern Counties.

Distrib. Europe, Siberia, W. Asia.

<i>Sp.</i> No locality	...	...	...	...	...	...	...	Rev. J. Dalton
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989. Herniaria ciliata, Bab.

Sandy ground, Cornwall, Guernsey.

Distrib. Spain, Portugal, France, Belgium, and Holland.

<i>Sp.</i> No locality	...	...	...	...	...	...	...	Rev. J. Dalton
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991. Corrigiola littoralis,

Linn.

Sandy places, Cornwall and Devon.

Distrib. Europe, from Denmark southwards.

<i>Sp.</i> Cornwall	...	...	...	(1820)	...	Sowerby	...	S. Hailstone
Dartmouth, Devon	...	...	...	(1820)	...	Bromfield	...	„

992. Scleranthus annuus,

Linn.

Waste places and fields, Caithness to Channel Islands.

Distrib. Europe to Caucasus, N. Africa,
W. Asia, introduced N. America.

<i>Sp.</i> Staveley, Yorks.	...	...	...	1803	...	Rev. J. Dalton	...	Rev. J. Dalton
Thetford, Norfolk (var. <i>biennis</i> , Reuter)	...	...	...	...	...	Lady Blake	...	S. Hailstone

993. Scleranthus perennis,**Linn.***Sandy ground, Norfolk, Suffolk, Warwick, Radnor, etc.**Distrib.* Europe to Caucasus, Siberia.

<i>Sp.</i> Thetford, Norfolk	...	...	(1840) ...	J. D. Salmon	...	S. Hailstone
Bury St. Edmunds. Suffolk	...	...	1840 ...	S. Hailstone	...	S. Hailstone

CHENOPODIACEÆ.**995. Chenopodium polyspermum, Linn.***Cultivated ground, Lancs. & Durham southwards.**Distrib.* Europe, N. Asia, introduced N. America.

<i>Sp.</i> Bottisham, Cambs.	...	...	1843 ...	S. Hailstone	...	S. Hailstone
Hurstpierpoint, Sussex	...	...	1806 ...	Rev. J. Dalton	...	Rev. J. Dalton

996. Chenopodium Vulvaria, Linn.*Waste ground from Edinburgh southwards.**Distrib.* Europe, N. Africa.

<i>Sp.</i> Near London...	...	...	1806 ...	Rev. J. Dalton	...	Rev. J. Dalton
Near Yarmouth	...	...	1843 ...	S. Hailstone	...	S. Hailstone

997. Chenopodium album, Linn.*Fields and waste ground, Shetland southwards.**Distrib.* Europe, Temperate Asia, introduced N. America.

<i>Sp.</i> Near Ripon	...	...	1800 ...	Rev. J. Dalton	...	Rev. J. Dalton
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998. Chenopodium ficifolium, Sm.*Waste and cultivated ground.**Distrib.* Europe.

<i>Sp.</i> Brighton, Sussex	...	...	1820 ...	Rev. J. Dalton	...	Rev. J. Dalton
Yarmouth, Norfolk	...	...	1806 ...	"	...	"
Wisbech	..	...	1840 ...	J. Backhouse, jr...	...	S. Hailstone

999. *Chenopodium murale*,**Linn.***Waste and cultivated ground, doubtful
in Scotland, S. & E. Ireland.**Distrib.* Europe, N. Africa, W. Asia to
India, introduced N. America.*Sp.* Yarmouth, Norfolk ... (1840) ... Fitt ... S. Hailstone**1000. *Chenopodium hybridum*,****Linn.***Waste places, Northumberland to Dor-
set and Kent.**Distrib.* Europe, N. Africa, W. Asia to
India, introduced N. America.*Sp.* Bury St. Edmunds, Suffolk ... 1806 ... Rev. J. Dalton ... Rev. J. Dalton**1001. *Chenopodium urbicum*,****Linn.***Waste places from Chester and Yorks.
southwards.**Distrib.* Europe, Canaries, W. Asia,
introduced N. America.*Sp.* Gorleston, Yarmouth... 1846 ... S. Hailstone ... S. Hailstone**1002. *Chenopodium rubrum*,****Linn.***Waste ground from Forth and Clyde
southwards, S. and E. Ireland.**Distrib.* Europe, W. Asia, Siberia.*Sp.* Chester ... 1808 ... S. Hailstone ... S. Hailstone
Yarmouth, Norfolk ... 1846 ... „ ... „**1003. *Chenopodium botry-
odes*, Sm.***Waste ground, rare, Kent, Essex,
Suffolk and Norfolk.**Distrib.* Europe, etc.*Sp.* Yarmouth, Norfolk ... 1846 ... Fitt ... S. Hailstone

1004. *Chenopodium glaucum*, Linn.

*Waste ground, Southern Counties, in
North of England or Scotland,
doubtfully indigenous.*

Distrib. Europe, Canaries, W. Asia,
Siberia, Himalayas, N. America,
S. Chili, Australia, New Zealand.

Sp. Thames Ditton, Surrey ... 1848 ... H. C. Watson ... S. Hailstone

1005. *Chenopodium Bonus-* *Henricus*, Linn.

*Waste ground, often near dwellings,
from Ross southwards, Ireland.*

Distrib. Europe, Siberia, introduced
N. America.

Sp. Copgrove, Yorks. ... 1790 ... Rev. J. Dalton ... Rev. J. Dalton
Horton Lane, Bradford, Yorks ... 1820 ... S. Hailstone ... S. Hailstone

1006. *Beta maritima*, Linn.

*Sea shores, etc., from the Forth south-
wards.*

Distrib. Europe, from Denmark south-
wards.

Sp. Cernwall ... 1810 ... Rev. J. Dalton ... Rev. J. Dalton
Scarboro', Yorks. ... 1806 ... W. Middleton ... W. Middleton
" " ... 1818 ... S. Hailstone ... S. Hailstone

1007. *Atriplex littoralis*, Linn.

*Salt marshes, etc., from W. Perth and
Fife to Dorset and Kent, Ireland.*

Distrib. As *A. patula*.

Sp. Hartlepool, Durham ... (1800) ... Robson ... W. Middleton
On the shore near Teesmouth ... (1800) ... S. Hailstone ... S. Hailstone

1008. *Atriplex patula*, Linn.

Waste places.

Distrib. Most cool regions of the world.

Sp. Yarmouth, Norfolk ... 1846 ... S. Hailstone ... S. Hailstone
Scarboro', Yorks. ... 1846 ... " ... "

1010. *Atriplex laciniata*, Linn.

Sea coasts from Clyde and Yorkshire southwards.

Distrib. Europe.

<i>Sp.</i> Coatham, Yorks.	...	...	...	1790	...	S. Hailstone	...	S. Hailstone
Blackpool	...	...	...	1800	...	„	...	„

1011. *Atriplex Portulacoides*, Linn.

Sea cliffs, etc., Wigton and North-umberland southwards, S. and E. Ireland.

Distrib. W. and S. Europe, W. Asia, N. Africa.

<i>Sp.</i> Cracknell Head, opp. Southampton	...	1836	...	S. Hailstone, jr....	S. Hailstone
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1012. *Atriplex pedunculata*, Linn.

Seaside marshes Lincoln to Kent.

Distrib. Baltic southwards, France, Russia, Siberia.

<i>Sp.</i> Ramsgate, Kent	...	...	...	1830	...	S. Hailstone	...	S. Hailstone
Yarmouth, Norfolk	...	...	...	1843	...	„	...	„
„	„	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton

1013. *Salicornia herbacea*, Linn.

Salt marshes.

Distrib. Europe, N. Africa, N. Asia, W. Asia to India, N. America.

<i>Sp.</i> Mouth of the Tees	...	...	...	1799	...	J. Hailstone	...	S. Hailstone
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1014. *Salicornia radicans*, Sm.

Salt marshes from Norfolk to Dorset.

Distrib. W. Europe, France, and Spain.

<i>Sp.</i> The Salterns, Fareham, Hants.	...	1811	...	W. H. Notteutt	...	S. Hailstone		
Shoreham, Kent	...	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton

1015. *Suaeda fruticosa*, Forsk.

Sandy beaches, Norfolk to Dorset.

Distrib. S. Europe from Spain eastwards, N. Africa, W. Asia to India.

<i>Sp.</i> Cley, Norfolk	...	...	...	1830	...	S. Hailstone	...	S. Hailstone
Poole, Dorset	...	...	...	1837	...	Bell Salter	...	„
Heacham, Norfolk	...	...	...	1897	...	F. H. Weekes.	...	F. H. Weekes

1016. *Suaeda maritima*, Dum.

Salt marshes from Shetland southwards.

Distrib. Europe, N. Africa, W. Asia to India, N. America.

<i>Sp.</i> Yarmouth, Norfolk	...	...	...	1846	...	S. Hailstone	...	S. Hailstone
Coatham, Yorks.	...	...	...	1799	...	„	...	„

1017. *Salsola Kali*, Linn.

Sandy sea shores from Argyle and Moray southwards, Ireland.

Distrib. Europe, N. & S. Africa, Siberia, W. Asia to India, N. & S. America, Australia.

<i>Sp.</i> Coatham, Yorks.	...	...	...	1799	...	S. Hailstone	...	S. Hailstone
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POLYGONACEÆ.**1018. *Polygonum Convolvulus*, Linn.**

Fields and hedges.

Distrib. N. Temperate & Arctic regions of Old World, introduced America.

<i>Sp.</i> Suett Carr, near Strensall, Yorks.	...	...	...	1838	...	Richd. Spruce	...	S. Hailstone
Great Horton Lane, Bradford	„	...	...	(1820)	...	S. Hailstone	...	„
Mackershaw Wood, nr. Ripon	„	...	...	1844	...	„	..	„

1019. *Polygonum dumetorum*, Linn.

Hedges, etc., in S. Counties of England from Monmouth to Herefordshire.

Distrib. Europe, Siberia, W. Asia to N. W. India.

<i>Sp.</i> Surrey	...	...	...	(1840)	...	J. Bull	..	S. Hailstone
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1020. *Polygonum aviculare*, Linn.

Waste places, cornfields, etc.

Distrib. Europe, N. and W. Asia, introduced N. America.

<i>Sp.</i> Strensall, Yorks.	...	...	...	1838	...	Richd. Spruce	...	S. Hailstone
Croft	„	...	...	1842	...	Rev. J. Dalton	...	Rev. J. Dalton
Bottisham Fen, Cambs.	...	...	...	1843	...	S. Hailstone	...	S. Hailstone
Blackpool, Lanes.	...	...	...	(1800)	...	„	...	„

1021. Polygonum Raii, Bab.*Sea shores, etc.**Distrib.* As *P. Maritimum*.

<i>Sp.</i> Cornwall	...	...	...	...	(1840)...	S. Gibson	...	S. Hailstone
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**1023. Polygonum Hydropiper,
Linn.***Watery places from Skye southwards,
Ireland, etc.**Distrib.* N. Temperate Hemisphere.

<i>Sp.</i> Burscough, Lancs.	...	...	...	1838	...	S. Hailstone	...	S. Hailstone
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**1024. Polygonum minus,
Huds.***Wet margins, etc., England, Dumbar-
ton in Scotland.**Distrib.* Europe, Siberia, W. Asia to
India.

<i>Sp.</i> Ripon, Yorks.	...	...	...	1800	...	W. Brunton	...	S. Hailstone
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**1025. Polygonum mite,
Schrank.***Wet places from York southwards.**Distrib.* Europe (excluding Spain,
Greece, and Turkey).

<i>Sp.</i> Thames side, Walton, Surrey	...	1845	...	H. C. Watson	...	S. Hailstone
Cambridge	...	...	...	1839	...	C. C. Babington

**1026. Polygonum Persicaria,
Linn.***Damp fields, etc.**Distrib.* N. Europe, N. Africa, Siberia,
W. Asia to India.

<i>Sp.</i> Copgrove, York.	...	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
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**1027. Polygonum Lapathifo-
lium, Linn.***Fields and waste places.**Distrib.* Europe, N. Africa, Siberia,
W. Asia to India, introduced N.
America.

<i>Sp.</i> Bottisham Fen, Cambs.	...	...	...	1846	...	S. Hailstone	...	S. Hailstone
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1028. Polygonum amphibium,
Linn.

Wet places.

Distrib. N. Temperate & Arctic regions.

Sp. In the Ouse beyond North-st. postern,

York	...	...	...	...	1800	...	S. Hailstone	...	S. Hailstone
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1029. Polygonum Bistorta,
Linn.

Wet places, from Ross and Skye southwards.

Distrib. Europe, N. Asia, W. Asia to Himalaya.

<i>Sp.</i> Bradford, Yorks.	...	...	...	1820	...	S. Hailstone	...	S. Hailstone
Thorp Arch, Yorks.	...	...	...	1844	...	"	...	"
Near Ripon	"	...	...	1800	...	Rev. J. Dalton	...	Rev. J. Dalton

1030. Polygonum viviparum,
Linn.

Wet mountain pastures, etc., Scotland, southwards to Carnarvon and Yorks.

Distrib. Alps of N. Temperate and Arctic regions.

<i>Sp.</i> Meaal Ghardy	...	...	...	1828	...	W. P. Bain	...	B. Baker
Settle, Yorks.	...	...	...	1843	...	Jno. Tatham	...	S. Hailstone
Wensleydale, Yorks.	...	...	...	1800	...	W. Brunton	...	"
"	"	...	...	1830	...	S. Hailstone	...	"

1031. Fagopyrum esculentum,
Moench.

Usually a cultivated plant, escape.

Distrib. Asia.

<i>Sp.</i> Mackershaw Wood, near Ripon	...	(1800)	...	Brunton	...	S. Hailstone
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1032. Oxyria reniformis, Hook.

Mountain districts, Wales, Yorkshire, and northwards.

Distrib. Arctic regions and N. Temperate zone.

<i>Sp.</i> Cumberland	...	...	...	1809	...	Sir T. Gage	...	S. Hailstone
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1035. *Rumex maritimus*.

*Wet places from Durham southwards,
co. Dublin, Ireland.*

Distrib. Europe, Siberia, W. Asia to
India, N. America.

<i>Sp.</i> Hull, Yorks. ...	... (1810) ...	Watson ...	W. Middleton
Lytham, Lanes. ...	... (1800) ...	S. Hailstone ...	S. Hailstone
Skipwith, S. E. Yorks. ...	... 1881 ...	H. J. Wilkinson ...	H. J. Wilkinson

1036. *Rumex palustris*, Sm.

Distrib. Similar to *R. Maritimus*.

<i>Sp.</i> Battersea, Surrey ...	... 1838 ...	G. Luxford ...	S. Hailstone
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**1038. *Rumex obtusifolius*,
Linn.**

Waste ground.

Distrib. Europe, N. Africa, W. Asia to
India, introduced N. America.

<i>Sp.</i> Copgrove, Yorks. ...	... 1790 ...	Rev. J. Dalton ...	Rev. J. Dalton
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1039. *Rumex crispus*, Linn.

Waste places.

Distrib. Europe, N. Africa, Asia to
Japan, introduced N. America.

<i>Sp.</i> York ...	... 1809 ...	W. Middleton ...	W. Middleton
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1040. *Rumex aquaticus*, L.

*Fields, etc., Yorkshire and Westmor-
land northwards.*

Distrib. Europe, N. and W. Asia to
India, N. America.

<i>Sp.</i> Clifton Ings, York ...	... 1842 ...	O. A. Moore ...	S. Hailstone
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**1041. *Rumex Hydrolapathum*,
Huds.**

*River and ditch banks from Isla south-
wards.*

Distrib. Europe.

<i>Sp.</i> Near Ripon, Yorks. ...	... 1800 ...	Rev. J. Dalton ...	Rev. J. Dalton
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1043. *Rumex scutatus*, Linn.

A culinary herb.

Distrib. Europe (South and Central).

<i>Sp.</i> Craig Millar Castle, Edinburgh ...	... 1837 ...	E. Young ...	S. Hailstone
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1044. Rumex Acetosella, Linn.*Dry pastures and waste ground.**Distrib.* N. Temperate and Arctic zones,
introduced in Southern zone.

Sp.	Dullingham, Cambs.	...	...	...	1843	...	S. Hailstone	...	S. Hailstone
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ARISTOLOCHIAEÆ.**1045. Asarum europæum,
Linn.***Copses, Wilts., Yorks., and Westmor-
land, etc.**Distrib.* South and Central Europe,
Siberia.*Sp.* Grain House, about two miles from

Settle	...	...	...	...	(1840)	...	Jno. Tatham	...	S. Hailstone
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**1046. Aristolochia Clematitis.
Linn.***Near old ruins, not indigenous from
York southwards.**Distrib.* Europe from Denmark south-
wards, W. Asia.

Sp.	No locality	...	...	..	...	(1820)	...	Miss Stovin	...	S. Hailstone
	„	...	...	...	...	(1820)		Rev. J. Dalton	...	Rev. J. Dalton

THYMELÆAEÆ.**1047. Daphne Mezereum,
Linn.***Copses, etc., perhaps native in South.**Distrib.* Europe, Siberia.

Sp.	Richmond, Yorks.	...	...	...	(1820)	...	Mr. Ward	...	Rev. J. Dalton
	Feizor Wood, near Giggleswick	...	...	...	1832	...	Mr. J. Howson	...	S. Hailstone

1048. Daphne Laureola, Linn.*Woods and hedges, York and Durham
southwards.**Distrib.* Europe (Belgium southwards),
(excluding Russia), N. Africa, W.
Asia.

Sp.	Kirkleatham, Yorks.	...	...	...	1817	...	S. Hailstone	...	S. Hailstone
	Castle Howard	„	...	...	1843	...	Hy. Ibbotson	...	„
	Ferrybridge	„	...	...	1824	...	S. Hailstone	...	„

ELÆAGNACEÆ.

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**1049. Hippophae Rhamnoides,
Linn.***Sea shores, indigenous in South only.**Distrib.* Europe, N. and Central Asia.

<i>Sp.</i> Aberlady Bay, Haddington	...	...	1839	...	J. H. Balfour	...	S. Hailstone
Winterton, Norfolk	...	...	(1840)	...	Mr. Cappers	...	„

LORANTHACEÆ.**1050. Viscum album, Linn.***A parasite on various trees.**Distrib.* Europe, N. Asia.

<i>Sp.</i> Thorp Arch, Yorks.	...	...	1832	...	S. Hailstone	...	S. Hailstone
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SANTALACEÆ.**1051. Thesium linophyllum,
Linn.***Chalky pastures in Southern Counties.**Distrib.* S. Europe, N. Africa, W. Asia.

<i>Sp.</i> Near Newmarket, Cambs.	...	...	1845	...	Miss Hailstone	...	S. Hailstone
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EUPHORBIACEÆ.**1054. Euphorbia platyphyllos,
Linn.***Cornfields, etc., from Yorks. southwards, rare.**Distrib.* S. Europe and Central, N. Africa, W. Asia, introduced N. America.

<i>Sp.</i> Hurstpierpoint, Sussex	...	...	(1800)	...	Rev. J. Dalton	...	Rev. J. Dalton
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**1056. Euphorbia hyberna,
Linn.***Copses, etc., Devon.**Distrib.* France, Spain, Switzerland, Italy, Ireland.

<i>Sp.</i> Ireland	...	...	1810	...	Rev. J. Dalton	...	Rev. J. Dalton
Cork, Ireland	...	...	1840	...	J. B. Wood	...	S. Hailstone

1058. *Euphorbia Amygdaloides*, Linn.

*Woods, etc., from Yorks. and North-
umberland southwards, Ireland
(near Brandon).*

Distrib. Europe South and Central,
W. Asia, W. Siberia.

<i>Sp.</i> Shooter's Hill, Kent	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
Wrotham, Kent	...	...	1811	...	S. Hailstone	...	S. Hailstone

1059. *Euphorbia Esula*, Linn.

*Introduced in fields near Alnwick,
Forfar, and Edinburgh.*

Distrib. Europe, Persia, Mid and S.
Asia, introduced N. America.

<i>Sp.</i> Duddington, Edinburgh	...	...	1836	...	Little	...	S. Hailstone
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1060. *Euphorbia Cyparissias*, Linn.

*Woods, etc., introduced, from Cumber-
land, southwards.*

Distrib. Europe (excluding Turkey),
introduced N. America.

<i>Sp.</i> Alnwick, Northumberland	...	...	1810	...	Rev. J. Dalton	...	Rev. J. Dalton
Tenby, Pembroke	...	...	(1820)	...	Miss Stoven	...	S. Hailstone

1061. *Euphorbia Paralias*, Linn.

*Sandy shores, etc., from Cumberland
southwards to Suffolk.*

Distrib. W. & S. Europe.

<i>Sp.</i> Suffolk	...	...	1800	...	D. Turner	...	Rev. J. Dalton
Swansea, Glamorgan	...	...	1810	...	W. Middleton	...	W. Middleton
Devon	...	...	1831	...	W. S. Hore	...	S. Hailstone
Guernsey	...	...	1836	...	S. Hailstone, jr.	...	„

1062. *Euphorbia portlandica*, Linn.

Sea shores from Wighton to Isle of Wight.

Distrib. Coasts of Spain, Portugal, and
France.

<i>Sp.</i> Devonshire	...	...	1820	...	S. Hailstone	...	S. Hailstone
Portland, Dorset	...	...	(1800)	...	Sowerby	...	Rev. J. Dalton

1063. Euphorbia Peplus, Linn.*Cornfields, etc.**Distrib.* Europe, N. Africa, W. Asia to
N.W. India, introduced N. America.

<i>Sp.</i> Thorp Arch, Yorks.	...	...	...	1830	...	S. Hailstone	...	S. Hailstone
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1064. Euphorbia exigua, Linn.*Fields, etc., from Banff and Forfar
southwards, Ireland.**Distrib.* Europe, N. Africa, W. Asia to
India.

<i>Sp.</i> Chichester, Sussex	...	...	...	1810	...	W. Middleton	...	W. Middleton
Near Askham Bog, York	...	...	...	1838	...	Richd. Spruce	...	S. Hailstone

**1065. Buxus sempervirens,
Linn.***Chalk hills in Southern Counties, in-
digenous, Surrey.**Distrib.* S. Europe, N. Africa, N. Asia,
to Japan, W. Asia to Himalaya.

<i>Sp.</i> Box Hill, Surrey	...	...	...	1840	...	Dr. Bromfield	...	S. Hailstone
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**1066. Mercurialis perennis,
Linn.***Shady places.**Distrib.* Europe, N. Africa.

<i>Sp.</i> Thorp Arch, Yorks.	...	...	...	1840	...	S. Hailstone	...	S. Hailstone
Copgrove, Yorks.	...	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton

**1067. Mercurialis annua,
Linn.***Cultivated ground from Fife & Perth
southwards.**Distrib.* Europe, N. Africa, W. Asia.

<i>Sp.</i> Chatham, Kent	...	...	...	1809	...	W. Middleton	...	W. Middleton
Bath, Somerset	...	...	...	1833	...	B. Baker	...	B. Baker
Norwich, Norfolk	...	...	...	1843	...	S. Hailstone	...	S. Hailstone
Richborough, Kent	...	...	...	1843	...	Mrs. J. Hailstone	...	„

URTICACEÆ.

- | | DATE. | COLLECTOR. | HERBARIUM. |
|---|----------|--------------------|----------------|
| 1068. <i>Ulmus montana</i>, Sm. | | | |
| <i>Woods, indigenous in N. England and Scotland.</i> | | | |
| <i>Distrib.</i> Europe, Siberia. | | | |
| <i>Sp.</i> No locality | | .. | Rev. J. Dalton |
|
1069. <i>Ulmus campestris</i>, Sm. | | | |
| <i>A denizen, England, rarer in Scotland.</i> | | | |
| <i>Distrib.</i> Mid. & S. Europe, N. Africa, Siberia. | | | |
| <i>Sp.</i> Collington Woods, Edinburgh ... | 1825 ... | S. Hailstone ... | S. Hailstone |
|
1070. <i>Humulus Lupulus</i>, Linn. | | | |
| <i>Hedges from Yorks. southwards.</i> | | | |
| <i>Distrib.</i> Temperate Europe, Asia, N. America. | | | |
| <i>Sp.</i> Croft, Yorks. | 1842 ... | Rev. J. Dalton ... | Rev. J. Dalton |
| Isle of Wight... .. | 1810 ... | W. Middleton ... | W. Middleton |
| Whalley, Lancs. | 1807 ... | S. Hailstone ... | S. Hailstone |
| Ambleside, Westmorland | 1836 ... | „ ... | „ |
|
1071. <i>Urtica dioica</i>, Linn. | | | |
| <i>Waste places.</i> | | | |
| <i>Distrib.</i> North Temperate Regions, S. Africa, The Andes, Australia. | | | |
| <i>Sp.</i> Croft, Yorks. | 1842 ... | Rev. J. Dalton ... | Rev. J. Dalton |
| Thorp Arch, Yorks. | 1840 ... | S. Hailstone ... | S. Hailstone |
|
1072. <i>Urtica pilulifera</i>, Linn. | | | |
| <i>An alien, waste places.</i> | | | |
| <i>Distrib.</i> Enrope, N. Africa, W. Asia, introduced N. America. | | | |
| <i>Sp.</i> Yarmouth, Norfolk | 1833 ... | Dr. Bromfield ... | S. Hailstone |
| „ „ | 1846 ... | Mr. Fitt ... | „ |

1073. *Urtica urens*, Linn.*Waste ground.*

Distrib. Europe, N. Africa, Siberia,
W. Asia to India, introduced N.
America.

<i>Sp.</i> Croft, Yorks. ...	...	...	...	1842	...	Rev. J. Dalton	...	Rev. J. Dalton
Yarmonth, Norfolk	...	...	...	1820	...	S. Hailstone	...	S. Hailstone

**1074. *Parietaria officinalis*,
Linn.***Old walls, banks, etc.**Distrib.* Europe, N. Africa, W. Asia.

<i>Sp.</i> Malton, Yorks.	...	...	...	1810	...	Rev. J. Dalton	...	Rev. J. Dalton
" "	...	...	...	1810	...	W. Middleton	...	W. Middleton
Hythe, Kent....	...	...	...	1847	...	Mrs. J. Hailstone	...	S. Hailstone
Walls at York	...	...	...	1800	...	S. Hailstone	...	S. Hailstone

MYRICACEÆ.**1075. *Myrica Gale*, Linn.***Bogs.*

Distrib. Europe (excluding Italy, Greece
and Turkey), N. Asia, N. America.

<i>Sp.</i> Askham Bog, York	...	...	...	1800	...	S. Hailstone	...	S. Hailstone
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CUPULIFERÆ.**1076. *Betula alba*, Linn.***Woods and copses.*

Distrib. Europe, N. Asia, N. America.
(a variety).

<i>Sp.</i> Cumberland	...	...	...	1810	...	S. Hailstone	...	S. Hailstone
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1077. *Betula nana*, Linn.*Mountains of Scotland.*

Distrib. Arctic and Alpine Europe (ex-
cluding Spain, Greece and Turkey),
N. Asia, N. America.

<i>Sp.</i> Scotland	...	...	...	1820	...	W. Middleton	...	W. Middleton
N. Highlands of Scotland	...	...	...	1830	...	S. Hailstone	...	S. Hailstone

1078. *Alnus glutinosa*, Linn.*Wet places, river banks, etc.**Distrib.* Europe, N. Africa, W. & N.
Asia to Japan.

<i>Sp.</i> Near York	...	...	...	...	1806	...	W. Middleton	...	W. Middleton
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1079. *Carpinus Betulus*, Linn.*Indigenous in S. of England, planted
in N. England and Ireland.**Distrib.* Europe from Gothland south-
wards.

<i>Sp.</i> No locality	...	...	...	...	...	S. Hailstone	...	S. Hailstone
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1080. *Corylus Avellana*, Linn.*Copses and hedges.**Distrib.* Europe, N. Africa, Siberia,
Dahurea.

<i>Sp.</i> Copgrove, Yorks.	...	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
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1081. *Quercus Robur*, Linn.*Woods.**Distrib.* Europe, W. Asia from the
Atlas Taurus and Syria, and nearly
to the Arctic Circle.

<i>Sp.</i> (<i>pedunculata</i> , Ehrh.), no locality	...	...	...	...	S. Hailstone	...	S. Hailstone
(<i>sessiliflora</i> , Salisb.)	..	...	...	...	Rev. J. Dalton	...	Rev. J. Dalton

1083. *Fagus sylvatica*, Linn.*Woods, especially calcareous, from
Cheshire southwards, planted in
Scotland and Ireland.**Distrib.* Europe, W., S., and Central,
Japan.

<i>Sp.</i> Braid Woods, near Edinburgh	...	1836	...	Ainley	...	...	S. Hailstone
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SALICINEÆ.**1084. *Salix triandra*, Linn.***River banks, etc. Often planted.**Distrib.* Europe, N. Asia.

<i>Sp.</i> Quinton Pool, Warwicks	...	...	1848	...	Thos. Kirk	...	S. Hailstone
Richmond, Yorks.	...	...	1841	...	J. Ward	...	..
Lewes, Sussex	...	...	1810	...	Rev. J. Dalton	...	Rev. J. Dalton

1085. *Salix Hoffmanniana*, Sm.*River banks, etc.**Distrib.* As *triandra*.

<i>Sp.</i> Fakenham, Norfolk	...	...	1847	...	W. L. Notteutt	...	S. Hailstone
Audley End, Essex	...	...	1840	...	Rev. J. E. Leefe		„

1086. *Salix decipiens*, Hoffm.*Wet places.**Distrib.*

<i>Sp.</i> Yorkshire	...	...	1830	...	J. Ward	...	S. Hailstone
Sussex	...	...	1810	...	Rev. J. Dalton	...	Rev. J. Dalton
Hell Kettles, near Croft	...	..	1820	...	A. Backhouse	...	„
Audley End, Essex	...	...	1841	...	Rev. J. E. Leefe		„

1087. *Salix amygdalina*, Sm.*River banks, etc.**Distrib.*

<i>Sp.</i> Darlington, Durham	...	...	(1830)	...	Rev. J. Dalton	...	Rev. J. Dalton
Lewes, Sussex	...	...	1810	...	„	...	„
Audley End, Essex	...	...	1837	...	Rev. J. E. Leefe		S. Hailstone

1088. *Salix lanceolata*, Sm.*Not considered indigenous.**Distrib.*

<i>Sp.</i> Lewes, Sussex	...	...	1810	...	Rev. J. Dalton	...	Rev. J. Dalton
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1089. *Salix pentandra*, Linn.*River banks, etc.**Distrib.*

<i>Sp.</i> Semer Water, Yorks.	...	...	(1830)	...	J. Ward	...	S. Hailstone
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1090. *Salix cuspidata*, Schultz.*River banks, etc.**Distrib.*

<i>Sp.</i> Shrewsbury, Salop	...	...	1843	...	C. C. Babington		S. Hailstone
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1091. *Salix fragilis*, Linn.*Wet places from Mid. Scotland southwards.**Distrib.* Europe, Siberia, W. Asia, introduced America.

<i>Sp.</i> Richmond, Yorks.	...	...	(1830)	...	J. Ward	...	S. Hailstone
Sussex	...	...	1810	...	Rev. J. Dalton	...	Rev. J. Dalton
Lewes, Sussex	...	...	...	...	„	...	„

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1092. Salix Russelliana, Sm.

<i>Sp.</i> Ripon, Yorks.	...	...	1800	...	Brunton	...	S. Hailstone
Fakenham, Norfolk	...	...	1847	...	W. L. Nottcutt	...	"
Ripon, Yorks.	...	...	1803	...	Rev. J. Dalton	...	Rev. J. Dalton
Sussex	...	...	1810	...	"	...	"
Bowling, Yorks.	...	...	1820	...	S. Hailstone	...	S. Hailstone
Audley End, Essex	...	...	1840	...	Rev. J. E. Leefe	...	"

1093. Salix alba, Linn.*Wet ground from Sutherland southwards.**Distrib.* Europe, N. Africa, Siberia,

W. Asia to India.

<i>Sp.</i> Lewes, Sussex	...	...	1810	...	Rev. J. Dalton	...	Rev. J. Dalton
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1094. Salix vitellina, Linn.*Distrib.* As *S. alba*.

<i>Sp.</i> Coventry Park, Warwick	...	...	1848	...	Thos. Kirk	...	S. Hailstone
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1095. Salix cærulea, Sm.*Distrib.* As *S. alba*.

<i>Sp.</i> Audley End, Essex	...	...	1840	...	Rev. J. E. Leefe	...	S. Hailstone
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1096. Salix Caprea, Linn.*Distrib.* As *Cinerea*.

<i>Sp.</i> Arburn Hill, Warwick	...	...	1848	...	Thos. Kirk	...	S. Hailstone
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1097. Salix cinerea, Linn.*Copses and wet places from Inverness southwards.**Distrib.* Europe, N. & W. Asia to India.

<i>Sp.</i> Birch Carr, Darlington	...	...	1820	...	Backhouse	...	S. Hailstone
St. Leonard's Forest...	...	...	1810	...	Rev. J. Dalton	...	Rev. J. Dalton

1098. Salix aquatica, Sm.*Distrib.* As *cinerea*.

<i>Sp.</i> Bradford, Yorks.	...	...	1810	...	S. Hailstone	...	S. Hailstone
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1101. Salix aurita, Linn.*Moist heaths, etc.**Distrib.* Europe, Siberia, W. Asia.

<i>Sp.</i> Richmond, Yorks.	...	...	1837	...	J. Ward	...	S. Hailstone
Hastings, Sussex	...	...	1820	...	S. Hailstone	...	"

1102. *Salix argentea*, Sm.

*Heaths and commons from Argyle and
Aberdeen southwards.*

Distrib. Europe, Siberia.

Sp. Tarlton Bridge, Lancs. ... 1800 ... S. Hailstone ... S. Hailstone

1104. *Salix fusca*, Linn.

Distrib. etc. As *repens*.

Sp. Kirby Lonsdale, Westmorland ... 1820 ... S. Hailstone ... S. Hailstone

**1105. *Salix repens*,
var. *prostata*, Sm.**

Distrib. etc. As *repens*.

Sp. Sandscale, near Hawes ... 1800 ... W. Brunton ... S. Hailstone

1106. *Salix repens*, Linn.

*Heaths and commons from Argyle and
Aberdeen southwards.*

Distrib. Europe, Siberia.

Sp. Tarlton Bridge, Lancs. ... 1810 ... Davies ... S. Hailstone

1108. *Salix laurina*, Sm.

Distrib. N. Europe.

Sp. By River Tees ... 1810 ... Backhouse ... S. Hailstone
Richmond, Yorks. ... 1830 ... J. Ward ... „

**1109. *Salix phylicifolia*,
var. *Croweana***

Sp. High Force, Teesdale ... 1822 ... Backhouse ... S. Hailstone
Banks of Swale, Yorks. ... 1840 ... J. Ward ... „
Bogs, near Darlington „

1126. *Salix Smithiana*, Willd.

Sp. Near Darlington ... 1810 ... Backhouse ... S. Hailstone
Tarlton Bridge, Lancs. ... 1800 ... S. Hailstone ... „
Arbury Hall, Warwick ... 1848 ... T. Kirk ... „

1127. *Salix lanata*, Linn.

Sp. Glen Dole, Clova ... 1834 ... W. H. Campbell ... S. Hailstone
Glen Callater, Aberdeenshire ... 1844 ... H. C. Watson ... „
Clova ... 1800 ... Rev. J. Dalton ... Rev. J. Dalton

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1128. *Salix lapponum*, Linn.

<i>Sp.</i> Glen Dole, Clova	...	...	...	1834	...	W. H. Campbell	S. Hailstone
Clova	...	...	...	1809	...	Rev. J. Dalton	Rev. J. Dalton

1130. *Salix herbacea*, Linn.

Distrib. Arctic and Alpine Europe,
N. Asia, etc.

<i>Sp.</i> Skiddaw	...	...	...	1849	...	J. Roly	S. Hailstone
Ben Lomond	...	...	...	1829	...	S. Hailstone	„
Belrumes, Banff.	...	...	...	1828	...	P. Cruickshanks	Rev. J. Dalton
Craigalleart	...	...	...	1809	...	Rev. J. Dalton	„

1131. *Salix reticulata*, Linn.

Distrib. Reaching the limits of Arctic
vegetation.

<i>Sp.</i> Ben Lawers	...	...	...	1809	...	Rev. J. Dalton	Rev. J. Dalton
Clova, Forfarshire	...	...	...	1833	...	G. Munby	„
Scottish Highlands	...	...	...	1832	...	H. C. Watson	S. Hailstone

1132. *Salix purpurea*, Linn.

<i>Sp.</i> Ripon, Yorks.	...	...	...	(1800)	...	W. Brunton	S. Hailstone
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1133. *Salix rubra*, Huds.

<i>Sp.</i> Richmond, Yorks.	...	...	...	1848	...	J. Ward	S. Hailstone
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1134. *Salix Forbyana*, Sm.

<i>Sp.</i> Richmond, Yorks.	...	...	...	1837	...	J. Ward	S. Hailstone
By the Tyne	...	...	...	1820	...	Rev. J. Dalton	Rev. J. Dalton

1135. *Salix Helix*, Linn.

<i>Sp.</i> Richmond, Yorks.	...	...	...	1841	...	J. Ward	S. Hailstone
Lewes, Sussex	...	...	...	(1820)	...	W. Brunton	Rev. J. Dalton

1136. *Salix Lambertiana*, Sm.

<i>Sp.</i> Yorkshire	...	...	...	1830	...	J. Ward	S. Hailstone
Darlington	...	...	...	1820	...	W. Backhouse	„
Lewes, Sussex	...	...	...	1810	...	Rev. J. Dalton	Rev. J. Dalton

1141. *Populus alba*, Linn.

River banks, etc.

Distrib. Europe, N. Africa, N. Asia.,

<i>Sp.</i> Lytham, Lanes.	...	...	...	1800	...	S. Hailstone	S. Hailstone
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1142. Populus tremula, Linn.*Hedges and copses.**Distrib.* Europe, N. Africa, N. Asia.

<i>Sp.</i> Calverley, Yorks.	...	...	.. 1820	...	S. Hailstone	...	S. Hailstone
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EMPETRACEÆ.**1143. Empetrum nigrum,
Linn.***Wet moors.**Distrib.* Northern Hemisphere, Chile,
etc.

<i>Sp.</i> Near Bingley	...	...	...	1806	...	S. Hailstone	...	S. Hailstone
Near Copgrove, Yorks.	...	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton

CERATOPHYLLÆ.**1144. Ceratophyllum demersum, Linn.***Ponds and ditches from Forfarshire southwards, and in Ireland.**Distrib.* Europe, Asia, Africa, N. America

<i>Sp.</i> Bracebridge, Lincoln	...	...	...	1815	...	Miss Stovin	...	S. Hailstone
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1145. Ceratophyllum submersum, Linn.*Distrib.* As *C. demersum*.

<i>Sp.</i> Linlithgow Lock, Linlithgow	...	...	...	1836	...	I. B. Bell	...	S. Hailstone
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CONIFERÆ.**1146. Juniperus communis,
Linn.***Montane slopes.**Distrib.* From the Atlas, Taurus, Himalaya, Japan and Rocky Mountains to Arctic Regions.

<i>Sp.</i> Chatham, Kent	...	...	...	1810	...	Rev. J. Dalton	...	Rev. J. Dalton
Teesdale	...	...	July 17th, 1822	...		S. Hailstone	...	S. Hailstone
High Force, Yorks.	...	...	...	1822	...	„	...	„

1148. *Taxus baccata*, Linn.

*Limestone hills from Aberdeen and
Argyle southwards.*

Distrib. North Temperate Regions from
Atlas, Taurus, Himalaya and Mexico
to Arctic Circle.

<i>Sp.</i> Woods above Greta Bridge	July 16th, 1822	...	S. Hailstone	...	S. Hailstone
High Force, Yorks.	...	...	1832	...	"
Fountains Abbey	...	...	1800	W. Brvnton	Rev. J. Dalton

HYDROCHARIDÆ.**1149. *Elodea canadensis*,
Michx.**

Introduced from America about 1836.

Distrib. N. America.

<i>Sp.</i> Cambridge	...	...	...	(1846)...	S. Hailstone
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**1150. *Hydrocharis Morsus-*
ranæ, Linn.**

Ponds and ditches from Northumber-
land southwards.

Distrib. Europe (excluding Turkey),
Siberia.

<i>Sp.</i> Old Malton Ings, Yorks.	...	...	1806	W. Middleton	W. Middleton
Askham Bogs, near York	...	...	1800	S. Hailstone	S. Hailstone

1151. *Stratiotes aloides*, Linn.

*Ponds and ditches, Eastern Counties,
York to Suffolk, Lancashire to
Cheshire.*

Distrib. Europe (excluding Greece and
Turkey), Siberia.

<i>Sp.</i> Loch of Clunie, Perthshire	...	...	1809	W. Middleton	W. Middleton
Norwich	...	...	1820	Rev. J. Dalton	Rev. J. Dalton
Near Manchester, Lancs.	...	...	(1830)	Mellor	S. Hailstone

ORCHIDÆ.**1152. *Malaxis paludosa*, Sw.**

Sphagnum bogs.

Distrib. N. Europe, Siberia, Dahuria.

<i>Sp.</i> Burgh, near Yarmouth	...	...	(1840)	Jas. Backhouse	S. Hailstone
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1153. *Liparis Loeselii*, Rich.

*Spongy bogs, Norfolk, Suffolk, Cam-
bridge and Hunts.*

Distrib. N. Europe.

Sp. Burwell Fen, Cambs. ... 1835 ... Prof. Henslow ... S. Hailstone

**1154. *Corallorhiza innata*,
R.B.**

Damp sandy woods in Scotland.

Distrib. N. and Mid. Europe, Siberia,
N. America.

Sp. No locality ... 1847 ... Leyland ... S. Hailstone
Scotland ... 1800 ... Turner ... Rev. J. Dalton
Ravelrig, near Edinburgh ... 1809 ... W. Middleton ... W. Middleton

**1155. *Neottia Nidus-avis*,
Rich.**

*Woods from Forfar and Argyle south-
wards.*

Distrib. Europe, W. Siberia.

Sp. Studley, Yorks. ... 1790 ... Rev. J. Dalton ... Rev. J. Dalton
Hildenley Wood, near Malton ... 1806 ... W. Middleton ... W. Middleton
Boston Spa, Yorks. ... 1838 ... S. Hailstone ... S. Hailstone
Thorp Arch, Yorks. ... 1839 ... „ ... „

1156. *Listera cordata*, R.B.

*Heathy moors and woods from Hamp-
shire and Devon northwards.*

Distrib. Europe, N. Asia, N. America.

Sp. Grantley, Yorks. ... 1800 ... Rev. J. Dalton ... Rev. J. Dalton
Seamer Moor, Scarboro' ... 1806 ... W. Middleton ... W. Middleton
Rye Loaf Hill, Settle, Yorks... ... 1830 ... Jno. Tatham ... S. Hailstone
Thornton Moor, near Swilling End ... 1820 ... S. Hailstone ... „

1157. *Listera ovata*, R.B.

Woods, roadsides, etc.

Distrib. Europe, Siberia, etc.

Sp. High Force, Teesdale ... 1822 ... S. Hailstone ... S. Hailstone
Thorp Arch, Yorks. ... 1830 ... „ ... „
Coppgrove, Yorks. ... 1790 ... Rev. J. Dalton ... Rev. J. Dalton

1158. *Spiranthes autumnalis*,**Rich.***Dry ground from Yorkshire and Westmorland southwards.**Distrib.* W. Europe, N. Africa.

<i>Sp.</i> Near Copgrove, Yorks.	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Ventnor, Isle of Wight	...	...	1830	...	S. Hailstone, jr....	...	S. Hailstone
Walmer, Kent	...	...	1830	...	S. Hailstone	...	,,
Devonshire	...	...	1840	...	Miss Hailstone	...	,,

1159. *Spiranthes æstivalis*,**Rich.***Bogs in Hants and Worcester.**Distrib.* Europe, N. Africa

<i>Sp.</i> New Forest, Hants	...	...	1884	...	H. Goss	...	H. J. Wilkinson
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1160. *Goodyera repens*, R.B.*Fir woods from Berwick and Roxburgh to Ross.**Distrib.* Mid. and N. Europe, Siberia, Himalaya, N. America.

<i>Sp.</i> Gordon Castle	...	...	1809	...	W. Middleton	...	W. Middleton
Brodie House	...	...	1807	...	Hooker	...	Rev. J. Dalton
Fir Woods, Forfar	...	...	1806	...	Rev. J. Dalton	...	,,
Inglimaldie, Kincardine	...	...	1843	...	Wm. Gardiner	...	S. Hailstone

1161. *Cephalanthera rubra*,**Rich.***Chalky woods and copses, Gloucester and Somerset.**Distrib.* Europe, W. Siberia.

<i>Sp.</i> Gloucestershire	...	...	(1820)	..	Rev. J. Dalton	...	Rev. J. Dalton
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1162. *Cephalanthera ensifolia*,**Rich.***Woods, etc. from Skye and Perth to Hants and Kent.**Distrib.* Europe, W. Siberia, W. Asia.

<i>Sp.</i> Castle Eden Dene, Durham	...	...	1818	...	Jas. Backhouse	...	S. Hailstone
Helks Wood, Ingleton, Yorks.	...	...	1832	...	Jno. Howson	...	,,

1163. Cephalanthera grandiflora, Bab.?

Woods in chalky districts from Cumberland to Dorset and Kent.

Distrib. Europe.

<i>Sp.</i> Dorking, Surrey	...	...	...	1840	...	Morris Birkbeck...	S. Hailstone
Arundel	...	...	...	1806	...	Rev. J. Dalton	Rev. J. Dalton

1164. Epipactis latifolia, Sm.

Woods and shady places.

Distrib. Europe, N. Africa, Siberia and Himalaya.

<i>Sp.</i> Thorp Arch, Yorks.	...	...	...	1880	...	S. Hailstone	S. Hailstone
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1165. Epipactis ovalis, Bab.

Limestone districts from Hereford northwards, Ireland.

Distrib. Europe.

<i>Sp.</i> Near Settle, Yorks.	...	...	...	1843	...	C. C. Babington	S. Hailstone
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1166. Epipactis purpurata, Sm.

Woods.

Distrib. Europe.

<i>Sp.</i> Kingwood Ferry	...	...	...	1849	...	J. A. Brewer	S. Hailstone
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1167. Epipactis palustris, Linn.

Boggy ground from Fife southwards.

Distrib. Europe, Siberia.

<i>Sp.</i> Heslington Fields, York	...	...	...	1801	...	S. Hailstone	S. Hailstone
Bramham Park, Yorks.	...	...	...	1849	...	Morris Birkbeck	..
Isle of Wight	...	...	...	1830	...	S. Hailstone, jr....	..

1168. Orchis hircina, Linn.

Copses in Suffolk and Kent, Surrey.

Distrib. South and Central Europe, N. Africa.

<i>Sp.</i> Dartford, Kent	...	...	...	1820	...	Rev. J. Dalton	Rev. J. Dalton
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1169. Orchis pyramidalis,**Linn.***Fields and sea cliffs from Wigton and Northumberland southwards.**Distrib.* Europe, N. Africa.

<i>Sp.</i> Near Newby, Ripon	...	...	1800	...	Rev. J. Dalton	...	Rev. J. Dalton
Thorp Arch, Yorks.	...	...	1832	...	S. Hailstone	...	S. Hailstone

1170. Orchis ustulata, Linn.*Dry pastures from Durham southwards**Distrib.* W. & S. Europe, Siberia.

<i>Sp.</i> Devil's Ditch, Cambs.	...	...	1841	...	W. C. Trevelyan	...	S. Hailstone
Thorp Arch, Yorks.	...	...	(1840)	...	Hustler	...	"
Near Ripon	...	..	(1800)	...	Rev. J. Dalton	...	Rev. J. Dalton

1172. Orchis simia, Lam.*Chalky soils, Oxfordshire.**Distrib.* S. Europe, N. Africa, Siberia.

<i>Sp.</i> Goring, Sussex	...	...	1860	...	H. Boswell	...	Rev. J. Dalton, jr.
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1173. Orchis morio, Linn.*Meadows from Northumberland southwards.**Distrib.* Europe, Siberia, W. Asia.

<i>Sp.</i> Near Ripon, Yorks.	...	...	1800	...	Rev. J. Dalton	...	Rev. J. Dalton
Thorp Arch, Yorks.	...	...	1830	...	S. Hailstone	...	S. Hailstone

1174. Orchis mascula, Linn.*Pastures and shady positions.**Distrib.* Europe, N. Africa, W. Siberia.

<i>Sp.</i> Thorp Arch, Yorks.	...	...	1832	...	S. Hailstone	...	S. Hailstone
Ripon, Yorks.	...	...	1800	...	Rev. J. Dalton	..	Rev. J. Dalton

1175. Orchis latifolia, Linn.*Moist pastures, bogs, etc.**Distrib.* Europe, N. Africa, W. Asia.

<i>Sp.</i> Giggleswick, Yorks.	...	...	1834	...	S. Hailstone	...	S. Hailstone
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1176. Orchis maculata, Linn.*Pastures and roadsides.**Distrib.* Europe, Siberia, W. Asia.

<i>Sp.</i> Thorp Arch, Yorks.	...	...	1832	...	S. Hailstone	...	S. Hailstone
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1177. *Aceras anthropophora*,**R.Br.***On chalky soils S. & E. of England.**Distrib.* South and Central Europe,

N. Africa. .

<i>Sp.</i> Northfleet, Kent	...	...	1806	...	W. Middleton	...	W. Middleton
Cobham, Kent	...	...	1841	...	Arthur Henfrey	...	S. Hailstone

1178. *Ophrys apifera*, Huds.*Chalky soils from Durham and Lancaster southwards.**Distrib.* S. Europe, N. Africa.

<i>Sp.</i> Copgrove, Yorks.	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Hildenley Wood, Yorks.	...	...	1806	...	W. Middleton	...	W. Middleton
Isle of Wight...	...	...	1836	...	S. Hailstone, jr...	...	S. Hailstone
Strensall Common, Yorks.	...	...	1916	...	A. Templeman	...	H. J. Wilkinson

1180. *Ophrys aranifera*, Huds.*Chalk and limestone downs, South of England.**Distrib.* South and Central Europe.

<i>Sp.</i> Walmer, Kent (<i>fucifera</i>)	...	...	1842	...	Miss Harvey	...	S. Hailstone
Bury St. Edmunds, Suffolk	...	...	1806	...	D. Turner	...	Rev. J. Dalton
Walmer, Kent	...	...	1900	...	A. & J. Bennett	...	H. J. Wilkinson

1181. *Ophrys muscifera*, Huds.*Calcareous soil from Durham and Westmorland southwards.**Distrib.* S. Europe.

<i>Sp.</i> Reigate, Surrey	...	...	1841	...	J. A. Brewer	...	S. Hailstone
Thorp Arch, Yorks.	...	...	1832	...	S. Hailstone	...	„
Hildenley Wood, Yorks.	...	...	1806	...	Rev. J. Dalton	...	Rev. J. Dalton
Saltburn, Yorks.	...	...	1898	...	H. Fisher	...	H. J. Wilkinson

1182. *Herminium Monorchis*,**R.Br.***Chalky downs, S. & S.E. Counties.**Distrib.* Europe (excluding Spain),

Siberia, Himalaya.

<i>Sp.</i> Bury St. Edmunds, Suffolk	...	...	1800	...	D. Turner	...	Rev. J. Dalton
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1183. *Gymnadenia conopsea*,**B.***Pastures and sea cliffs, etc.**Distrib.* Europe, Siberia, W. Asia.

<i>Sp.</i> Newton Dale, Yorks....	...	...	1806	...	W. Middleton	...	W. Middleton
Thorp Arch	„	...	1832	...	S. Hailstone	...	S. Hailstone
Gordale	„	...	1837	...	„	...	„
Redcar	„	...	1800	...	„	...	„
Thorp Arch	„	...	1843	...	„	...	„

1184. *Habenaria albida*, R.Br.*Montane pastures, Sussex & Cardigan northwards.**Distrib.* Europe (excluding Turkey),
W. Siberia, Greenland.

<i>Sp.</i> Hole of Horcum, Yorks.	...	...	1800	...	W. Middleton	...	W. Middleton
Newton Dale	„	...	1800	...	„	...	„
Dallow Gill	„	...	1798	...	Rev. J. Dalton	...	Rev. J. Dalton
Mallam Tarn	„	...	1808	...	S. Hailstone	...	S. Hailstone
Giggleswick	„	...	1832	...	„	..	„

1185. *Habenaria viridis*, R.Br.*Meadows.**Distrib.* Europe, Siberia, N. America.

<i>Sp.</i> Ripon, Yorks.	...	...	1830	...	S. Hailstone	...	S. Hailstone
Hildenley Wood, Yorks.	...	...	1806	...	W. Middleton	...	W. Middleton
Copgrove, Yorks.	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton

1186. *Habenaria bifolia*, R.Br.*Boggy heaths, etc.**Distrib.* Europe, N. Asia.

<i>Sp.</i> Thorp Arch, Yorks.	...	...	1832	...	S. Hailstone	...	S. Hailstone
Whalley, Lanes.	...	...	1807	...	„	...	„
Ripon, Yorks.	...	...	1802	...	Rev. J. Dalton	...	Rev. J. Dalton

1187. *Habenaria chlorantha*,**Bab.***Boggy heaths, etc.**Distrib.* As *bifolia*.

<i>Sp.</i> Teesdale	...	...	1844	...	Jno. Backhouse	...	S. Hailstone
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1188. *Cypripedium Calceolus*, Linn.

*Woods in limestone districts, Yorks.,
Durham, and Westmorland.*

Distrib. Europe (excluding Turkey),
N. Asia, Himalayas.

<i>Sp.</i> Grassington, Yorks. (root from)	...	1797	...	Rev. J. Dalton	...	Rev. J. Dalton
Helk's Wood, Ingleton ,,	...	(1800)	...	W. Middleton	...	W. Middleton

IRIDEÆ.

1189. *Iris foetidissima*, Linn.

*Limestone woods from Durham south-
wards, Ireland, not native in
Scotland.*

Distrib. South Europe, N. Africa.

<i>Sp.</i> Between Folkestone and Dover, Kent.	1811	...	S. Hailstone	...	S. Hailstone
Plymouth, Devon	...	...	1831	...	S. Hailstone
Sandgate, Kent	...	...	1808	...	W. Middleton

1190. *Iris Pseud-acorus*, Linn.

Wet places, common.

Distrib. Europe, N. Africa, Siberia.

<i>Sp.</i> Duddingstone Loch, Edinburgh	...	1828	...	W. P. Bain	...	B. Baker
Leckby Carr, Yorks. ...	...	1823	...	S. Hailstone	...	S. Hailstone

1191. *Crocus minimus*.

Introduced.

Distrib. S. Europe.'

<i>Sp.</i> Barton Park, Suffolk	...	...	1840	...	Jas. Backhouse	...	S. Hailstone
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1192. *Crocus aureus*, Sibth.

Introduced.

Distrib. S. Europe.

<i>Sp.</i> Sir H. Bunbury's Park, near Bury, Suffolk	...	...	...	(1840)	...	Dr. Bromfield	...	S. Hailstone
Suffolk	...	...	...	(1810)	...	W. J. Hooker	...	Rev. J. Dalton

1193. *Crocus vernus*, Linn.

Naturalized in various places in England and Ireland.

Distrib. Mid. and S. Europe.

<i>Sp.</i> Nottingham	...	...	...	1807	...	W. Middleton	...	W. Middleton
Harliston, Norfolk	...	...	...	1800	...	D. Turner	...	Rev. J. Dalton
Nottingham	...	...	...	1810	...	Rev. J. Dalton	...	„
Suffolk	...	...	...	1840	...	S. Hailstone	...	S. Hailstone
Bierley Wood, Bradford, Yorks.	...	...	...	1823	...	„	...	„

1194. *Crocus sativus*, Linn.

Naturalized.

Distrib. S. Europe.

<i>Sp.</i> Ex Hort	...	...	...	...	...	Jas. Backhouse	...	S. Hailstone
Harleston, Norfolk	...	..	...	(1820)	...	Rev. J. Dalton	...	Rev. J. Dalton

1195. *Crocus nudiflorus*, Sm.

Meadows, etc., in Midland Countries.

A denizen or possible native.

Distrib. France, Spain.

<i>Sp.</i> Halifax, Yorks.	...	...	...	1830	...	Jas. Backhouse	...	S. Hailstone
Nottingham	...	...	...	1837	...	J. H. Balfour	...	S. Hailstone

1196. *Trichonema Columnæ*, Reich.

Sandy ground, Devonshire & Channel Islands.

Distrib. W. Europe and Mediterranean Shores.

<i>Sp.</i> Exmouth Warren, Devon	...	...	...	1842	...	W. S. Hore	...	S. Hailstone
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1197. *Sisyrinchium anceps*, Bab.

Bogs in Galway.

Distrib. N. America, Bermuda.

<i>Sp.</i> Woodford, Galway	...	...	...	1846	...	Jas. Lynam	...	S. Hailstone
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AMARYLLIDÆ.

DATE.

COLLECTOR.

HERBARIUM.

1198. *Narcissus Pseudo-Narcissus*, Linn.*Moist wood through England. Naturalized in Scotland and Ireland.**Distrib.* Europe.

<i>Sp.</i> Coton March, Cambs.	...	...	1834	...	St. C. Baker	...	B. Baker
Knapton, York	...	...	1804	...	W. Middleton	...	W. Middleton
Galphay Moor, near Ripon, Yorks.	...	...	1800	...	W. Brunton	...	S. Hailstone
Boston Spa, Yorks.	...	...	1832	...	S. Hailstone	...	,,

1199. *Narcissus biflorus*, Curt.*Naturalized.**Distrib.* S. Europe, N. Africa.

<i>Sp.</i> Shorne, Kent	...	...	1807	...	W. Middleton	...	W. Middleton
Near Ripon, Yorks.	...	...	(1800)	...	Teesdale	...	Rev. J. Dalton
Shoreham, Kent	...	...	1827	...	S. Hailstone	...	S. Hailstone
Grandchester, Cambs.	...	...	1834	...	St. C. Baker	...	B. Baker

1200. *Narcissus poeticus*, Linn.*Naturalized.**Distrib.* S. Europe.

<i>Sp.</i> Shorne, Kent	...	...	1807	...	W. Middleton	...	W. Middleton
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1201. *Galanthus nivalis*, Linn.*Woods, mostly naturalized.**Distrib.* W. Europe to Asia.

<i>Sp.</i> Bodmin, Cornwall	...	...	1837	...	B. Baker	...	B. Baker
Thorp Arch, Yorks.	...	...	1832	...	S. Hailstone	...	S. Hailstone
Ripon, Yorks.	...	...	1800	...	Rev. J. Dalton	...	Rev. J. Dalton

1202. *Leucojum æstivum*, Linn.*Wet meadows in Southern Counties.**Distrib.* Europe.

<i>Sp.</i> Greenwich, Kent.	...	...	1807	...	W. Middleton	...	W. Middleton
Near Oxford	...	...	(1840)	...	Palmer	...	S. Hailstone

DIOSCOREÆ.

DATE.

COLLECTOR.

HERBARIUM.

1203. *Tamus communis*, Linn.*Copses and hedges.**Distrib.* Europe, N. Africa, W. Asia.

<i>Sp.</i> Thorp Arch, Yorks.	...	...	...	1820	...	S. Hailstone	...	S. Hailstone
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LILIACEÆ.

1204. *Ruscus aculeatus*, Linn.

*Copses, etc. from Suffolk & Glamorgan
southwards, naturalized Scotland
and Ireland.*

Distrib. S. Europe, N. Africa, W. Asia.

<i>Sp.</i> Torquay, Devon	...	...	...	(1840)	...	S. Hailstone	...	S. Hailstone
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1205. *Asparagus officinalis*,
Linn.

*Sea coasts from Anglesey and Suffolk
southwards, S.E. Ireland, natur-
alized Scotland.*

Distrib. Europe, N. Africa, Siberia,
Introduced N. America.

<i>Sp.</i> Lizard Point, Cornwall	...	...	...	1799	...	S. Hailstone	...	S. Hailstone
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1206. *Polygonatum verticilla-
tum*, All.

*Shady glens, Northumberland, Athol,
Ratray and Dunkeld, Perthshire.*

Distrib. Europe, Siberia, Himalaya.

<i>Sp.</i> Den of Rechip, Dunkeld	...	...	...	1802	...	Rev. J. Dalton	...	Rev. J. Dalton
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1207. *Polygonatum multiflo-
rum*, All.*Woods from Yorks. southwards.**Distrib.* Europe, Siberia, Dahurea.

<i>Sp.</i> Studley Woods, Yorks.	...	...	...	1800	...	Rev. J. Dalton	...	Rev. J. Dalton
Westwood, Netley Abbey	...	...	...	(1830)	...	Dr. Bromfield	...	S. Hailstone

**1208. Polygonatum officinale,
All.**

Wooded limestone cliffs from the "Border" to Somerset, Wilts., Dorset, etc.

Distrib. Europe, Siberia, Dahurea.

Sp. Helk's Wood, Ingleton, Yorks. ... 1800 ... Rev. J. Dalton ... Rev. J. Dalton

**1208a. Maianthemum bifolium,
Schmidt.**

Woods, very rare, wild in Yorkshire.

Distrib. Europe (Arctic), N. Asia,
N. America.

Sp. Hackness, Scarborough, Yorks. ... 1883 ... H. J. Wilkinson ... H. J. Wilkinson

**1209. Convallaria majalis,
Linn.**

*Woods from Moray to Kent & Somerset,
naturalized Scotland and Ireland.*

Distrib. Europe, N. Asia.

Sp. Coneysthorpe Banks, Yorks. ... 1806 ... W. Middleton ... W. Middleton
Mackershaw Woods, near Ripon ... 1800 ... Rev. J. Dalton ... Rev. J. Dalton
Malham Cove, Yorks. ... 1832 ... S. Hailstone ... S. Hailstone
Woods, near Heptonstall, Yorks. ... 1832 ... „ ... „

1210. Simethis bicolor, Kunth.

*Fir woods, Bournemouth, Derrynane,
Ireland.*

Distrib. S. Europe, N. Africa.

Sp. Bournemouth, Dorset. ... 1894 ... W. Whitwell ... H. J. Wilkinson

**1211. Allium Ampeloprasum,
Linn.**

*Rocky banks, naturalized England,
native in Ireland.*

Distrib. S. Europe, W. Asia.

Sp. Steep holmes in the Severn (cult, from) ... S. Hailstone ... S. Hailstone

**1212. Allium Scorodoprasum,
Linn.**

Dry pastures, N. of England and Scotland.

Distrib. Europe (excluding Spain).

Sp. Boston Spa, Yorks. ... 1832 ... S. Hailstone ... S. Hailstone
Aberdeen ... 1837 ... J. H. Balfour ... „

1213. Allium vineale, Linn.

*Waste places from Lanark, Aberdeen
southwards, S. and East Ireland.*

Distrib. Europe, Canaries, introduced
N. America.

<i>Sp.</i> Copgrove, Yorks. ...	1790	Rev. J. Dalton	Rev. J. Dalton
Heslington Fields, York ...	1820	W. Middleton	W. Middleton
„ „ „ ...	1801	S. Hailstone	S. Hailstone

**1214. Allium oleraceum,
Linn.**

*Borders of fields from Forfar, etc., to
Devon and Kent.*

Distrib. Europe, W. Siberia, Himalaya.

<i>Sp.</i> Thorp Arch, Yorks. ...	1849	Morris Birkbeck...	S. Hailstone
Settle, Yorks. ...	1840	Jno. Tatham	„
Copgrove, Yorks. ...	1790	Rev. J. Dalton	Rev. J. Dalton

1215. Allium ursinum, Linn.

Woods, common everywhere.

Distrib. Europe, N. Asia. ...

<i>Sp.</i> Bell Bank Woods, Bingley, Yorks. ...	1830	S. Hailstone	S. Hailstone
Thorp Arch, Yorks. ...	1832	„	„

1217. Scilla autumnalis, Linn.

*Pastures, etc., Southern Counties of
England and Channel Islands.*

Distrib. W. Europe, N. Africa.

<i>Sp.</i> St. Vincent's Rocks, Bristol, Glos. ...	1810	W. Middleton	W. Middleton
Isle of Wight... ..	1809	Rev. J. Dalton	Rev. J. Dalton

1219. Scilla nutans, Sm.

Woods, etc., throughout the country.

Distrib. W. & S. Europe.

<i>Sp.</i> Thorp Arch, Yorks. ...	1832	S. Hailstone	S. Hailstone
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**1220. Ornithogalum nutans,
Linn.**

*Copses in Mid. & E. Counties, natur-
alized.*

Distrib. Europe from Sweden southwards

<i>Sp.</i> Blackwell, Darlington, naturalized ...	1820	Jas. Backhouse	S. Hailstone
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1221. Ornithogalum umbellatum, Linn.

Naturalized in copses, etc.

Distrib. Europe.

<i>Sp.</i> Bath ...	...	...	...	...	(1840)...	Dr. Bromfield	...	S. Hailstone
Ripon	...	...	...	...	(1800)...	W. Brunton	...	Rev. J. Dalton
Newark, Notts.	...	...	...	...	1806	W. Middleton	...	W. Middleton

1222. Ornithogalum pyrenaicum, Linn.

Shady places, S. & W. Counties.

Distrib. W. & S. Europe.

<i>Sp.</i> Bath, Somerset	...	...	...	1841	...	S. H. Haslam	...	S. Hailstone
Chichester, Sussex	...	...	...	1812	...	Rev. J. Dalton	...	Rev. J. Dalton

1223. Lilium pyrenaicum, Gouan.

Naturalized.

Distrib. S. Europe.

<i>Sp.</i> South Molton, Devon	...	...	...	1899	...	F. H. Weekes	...	H. J. Wilkinson
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1224. Lilium Martagon, Linn.

Copses, etc., naturalized Surrey.

Distrib. Europe.

<i>Sp.</i> Thorp Arch, Yorks., naturalized	...	...	...	1843	...	S. Hailstone	...	S. Hailstone
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1225. Fritillaria Meleagris, Linn.

Moist meadows from Norfolk and Bedford to Sussex and Hants, a denizen.

Distrib. Europe to W. Asia.

<i>Sp.</i> Suffolk	...	...	...	1829	...	Prof. Henslow	...	S. Hailstone
Cambridge	...	...	...	1820	...	Jno. Hailstone	...	„

1226. Tulipa sylvestris, Linn.

Possibly only naturalized in its various stations.

Distrib. Europe.

<i>Sp.</i> Blackwell, near Darlington	...	...	...	1820	...	S. Hailstone	...	S. Hailstone
Bury St. Edmund's, Suffolk	...	...	...	(1800)	...	Turner	...	Rev. J. Dalton

1227. *Gagea lutea*, Ker.*Copses, etc. from Moray to Dorset.**Distrib.* Europe, N. Asia, Himalaya.

<i>Sp.</i> Ripon, Yorks.	1800	W. Middleton	W. Middleton
Sleningsford, near Ripon ...	1790	Rev. J. Dalton	Rev. J. Dalton
Thorp Arch, Yorks. ...	1835	Brownrigg	S. Hailstone
Wood, near Oglethorpe Ings, Thorp Arch ...	1836	S. Hailstone	„

1228. *Colchicum autumnale*, Linn.

Damp meadows from Westmorland and Durham to Dorset and Surrey, naturalized Scotland, S. & Mid. Ireland.

Distrib. Europe.

<i>Sp.</i> Copgrove, Yorks. ...	1790	Rev. J. Dalton	Rev. J. Dalton
Aberford „ ...	1806	S. Hailstone	S. Hailstone
Thorp Arch „ ...	1832	„	„

1229. *Narthecium ossifragum*, Huds.*Spongy bogs.**Distrib.* Europe, N. Asia, N. America.

<i>Sp.</i> Near Ripon, Yorks. ...	1800	Rev. J. Dalton	Rev. J. Dalton
On the moor, opposite the Queen's Head, Harrogate, Yorks. ...	1800	S. Hailstone	S. Hailstone
Moor, near Keb Cote... ..	1801	„	„

1230. *Tofieldia palustris*, Huds.*Mountain bogs.**Distrib.* N. Europe, Asia, N. America.

<i>Sp.</i> Blair Atholl ...	1809	W. Middleton	W. Middleton
Teesdale ...	1807	Rev. J. Dalton	Rev. J. Dalton
Cronkley, Yorks. ...	1824	Hustler	S. Hailstone

1231. *Paris quadrifolia*, Linn.*Damp woods.**Distrib.* Europe, Siberia, W. Asia.

<i>Sp.</i> Copgrove, Yorks. ...	1790	Rev. J. Dalton	Rev. J. Dalton
Levisham „ ...	1840	S. Hailstone	S. Hailstone
Thorp Arch „ ...	1839	„	„

JUNCACEÆ.

- | | | | | DATE. | COLLECTOR. | HERBARIUM. |
|--|--------------------------|-----|-----|-------|-----------------|-----------------|
| 1232. Juncus bufonius, Linn. | | | | | | |
| <i>Wet places, common.</i> | | | | | | |
| <i>Distrib.</i> Europe, N. Africa, Siberia,
Himalaya, N. America. | | | | | | |
| <i>Sp.</i> | Copgrove, Yorks. | ... | ... | 1790 | Rev. J. Dalton | Rev. J. Dalton |
| | Strensall Common, Yorks. | ... | ... | 1892 | H. J. Wilkinson | H. J. Wilkinson |
| | Skipwith, Yorks. | ... | ... | 1892 | " | " |
| | Leckby Carr, Yorks. | ... | ... | 1826 | S. Hailstone | S. Hailstone |
| 1233. Juncus trifidus, Linn. | | | | | | |
| <i>Alpine rocks in N. Scotland.</i> | | | | | | |
| <i>Distrib.</i> N. & Mid. Europe, W. Asia,
W. Persia, N. America. | | | | | | |
| <i>Sp.</i> | Ben Nevis | ... | ... | 1809 | W. Middleton | W. Middleton |
| | Clova | ... | ... | 1837 | J. H. Balfour | S. Hailstone |
| | Lochnagar, Aberdeen | ... | ... | 1887 | H. Fisher | H. J. Wilkinson |
| | Scotland | ... | ... | 1843 | H. C. Watson | S. Hailstone |
| | Ben na Bourd | ... | ... | 1831 | R. K. Greville | Walker |
| 1234. Juncus squarrosus, Linn. | | | | | | |
| <i>Wet moors, etc.</i> | | | | | | |
| <i>Distrib.</i> N. Europe, Siberia, Greenland. | | | | | | |
| <i>Sp.</i> | Ilkley, Yorks. | ... | ... | 1820 | S. Hailstone | S. Hailstone |
| | Copgrove " | ... | ... | 1790 | Rev. J. Dalton | Rev. J. Dalton |
| | Skipwith " | ... | ... | 1892 | H. J. Wilkinson | H. J. Wilkinson |
| 1235. Juncus compressus, Jacq. | | | | | | |
| <i>Marshy ground.</i> | | | | | | |
| <i>Distrib.</i> Europe, W. Asia to Persia,
N. America. | | | | | | |
| <i>Sp.</i> | Seaton Carew, Yorks. | ... | ... | 1840 | S. Hailstone | S. Hailstone |
| | Coatham, Yorks. | ... | ... | 1800 | " | " |
| | Wallasey Pool, Cheshire | ... | ... | 1842 | Gibson | " |
| 1236. Juncus Gerardi, Lois. | | | | | | |
| <i>Marshes, etc.</i> | | | | | | |
| <i>Distrib.</i> Europe, Siberia, W. Asia to
Persia, N. America. | | | | | | |
| <i>Sp.</i> | Withernsea, Yorks. | ... | ... | 1892 | H. J. Wilkinson | H. J. Wilkinson |
| | Shirehampton, Glos. | ... | ... | 1885 | H. Fisher | H. J. Wilkinson |

1237. Juncus tenuis, Willd.*Sandy moist soil, Hereford. Scotland Lancs**Distrib.* France, Belgium, Holland,
Bohemia, Germany (Sporadic).

<i>Sp.</i> Angushshire	...	...	...	(1800)	...	G. Don	...	..	Rev. J. Dalton
Hills of Forfar	...	...	...	1806	...	,,	...	...	W. Middleton

1238. Juncus balticus, Willd.*Margins of lakes, etc.**Distrib.* N. Europe, N. America.

<i>Sp.</i> Sands of Barrie	...	...	...	1809	...	Rev. J. Dalton	...	Rev. J. Dalton
Elgin, Scotland	...	...	...	1812	...	S. Hailstone	...	S. Hailstone
Sands of Barrie	..	...	...	(1830)	...	Arnley	...	,,
,,	,,	...	...	1820	...	G. Munby	...	G. Munby

1239. Juncus filiformis, Linn.*Margins of lakes, etc.**Distrib.* Europe, N. Asia, N. America.

<i>Sp.</i> Scotland	...	...	...	1809	...	Rev. J. Dalton	...	Rev. J. Dalton
Keswick	...	...	...	1812	...	,,	...	,,
Thirlmere	...	...	...	1840	...	O. A. Moore	...	O. Moore
,,	...	...	...	1844	...	Borrer	...	S. Hailstone
Loweswater Lake, Cumb.	...	...	...	1880	...	W. B. Waterfall	...	H. J. Wilkinson

1240. Juncus glaucus, Ehrh.*Wet places.**Distrib.* Europe, N. Africa, Siberia.

<i>Sp.</i> West Coatham, Yorks.	...	...	...	1824	...	S. Hailstone	...	S. Hailstone
Sleights, Yorks.	...	...	...	1803	...	W. Middleton	...	W. Middleton
Shorne, Kent...	...	...	...	1806	...	,,	...	,,
Strensall, Yorks.	...	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson

1241. Juncus effusus, Linn.*Wet places.**Distrib.* Europe, N. Africa, Temperate
Asia and America.

<i>Sp.</i> Strensall Common, Yorks.	...	...	...	1892	...	H. J. Wilkinson	...	H. J. Wilkinson
Coatham, Yorks.	...	...	...	1800	...	S. Hailstone	...	S. Hailstone
Copgrove ,,	...	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton

1243. Juncus conglomeratus,
Linn.

Wet places everywhere.

Distrib. As *effusus*.

Sp. Strensall Common, Yorks. ... 1883 ... H. J. Wilkinson... H. J. Wilkinson

1244. Juncus maritimus, Lam.

Salt marshes from Islay and Nairn southwards.

Distrib. Europe, N. Africa, W. Siberia,
N. America.

Sp. Southampton, Hants ... 1806 ... W. Middleton ... W. Middleton

Llandudno, N. Wales ... 1884 ... H. Fisher ... H. J. Wilkinson

1245. Juncus acutus, Linn.

Sandy sea shores from Norfolk and Carnarvon southwards, S. & S.E. Ireland.

Distrib. S. Europe, N. Africa.

Sp. Rosscarbery, co. Cork ... 1890 ... R. A. Phillips ... H. J. Wilkinson

Swansea, Glam. ... 1800 ... D. Turner ... Rev. J. Dalton

Sandwich, Kent ... 1806 ... W. Middleton ... W. Middleton

1246. Juncus supinus,
Moench.

Wet boggy ground, common.

Distrib. Europe, N. Africa, N. & W. Asia.

Sp. Leckby Carr, Yorks. ... 1822 ... S. Hailstone ... S. Hailstone

„ „ „ ... 1807 ... Rev. J. Dalton ... Rev. J. Dalton

„ „ „ ... S. Hailstone ... S. Hailstone

Swanbister, Orkney ... 1849 ... J. T. Low ... „

Hackness, Yorks. ... 1843 ... H. Ibbotson ... H. J. Wilkinson

1247. Juncus obtusiflorus,
Ehrh.

Marshes from Wigton and Haddington southwards, rare in Scotland and S.E. Ireland.

Distrib. Europe from Gothland southwards (except Greece, Turkey and Russia), N. Africa.

Sp. Bottisham Fen, Cambs. ... 1839 ... S. Hailstone ... S. Hailstone

1248. Juncus pygmaeus, Rich.*Sandy ground near sea in Cornwall.**Distrib.* W. & S. Europe.

<i>Sp.</i> Lizard Downs, Cornwall	...	...	1877	...	W. Curnow	...	H. J. Wilkinson
" " "	...	...	1891	...	F. H. Weekes	...	F. H. Weekes

**1249. Juncus lampocarpus,
Ehrh.***Boggy places.**Distrib.* Europe, N. Africa, N. and W.

Asia, N. America.

<i>Sp.</i> Sleights, Yorks.	...	...	1803	...	W. Middleton	...	W. Middleton
Teesdale "	...	...	1824	...	S. Hailstone	...	S. Hailstone
Upper Teesdale, Durham	...	...	1886	...	H. J. Wilkinson	...	H. J. Wilkinson

**1250. Juncus acutiflorus,
Ehrh.***Bogs in mountain districts.**Distrib.* Europe, N. Africa, N. and W.

Asia.

<i>Sp.</i> Skipwith Common, Yorks.	...	...	1892	...	H. J. Wilkinson	...	H. J. Wilkinson
Strensall Common "	...	...	1890	...	"	...	"
High Force, Teesdale "	...	...	1824	...	S. Hailstone	...	S. Hailstone
" " " "	...	...	1800	...	"	...	"

1251. Juncus castaneus, Sm.*Alpine bogs in Argyle, Perth, Forfar
and Aberdeen.**Distrib.* N. & Mid. Europe, N. America,

Siberia and Asia to Himalaya.

<i>Sp.</i> Clova, Forfarshire	...	...	1844	...	H. C. Watson	...	S. Hailstone
" " "	...	...	1809	...	Rev. J. Dalton	...	Rev. J. Dalton
Ben Lawers	...	...	1820	...	"	...	"
Canlochen Glen, Forfarshire...	...	...	1848	...	J. Backhouse	...	S. Hailstone

1252. Juncus biglumis, Linn.*Alpine bogs, Perth and Aberdeen.**Distrib.* N. Europe, Asia, Himalaya

and N. America.

<i>Sp.</i> Ben Lawers	...	...	1831	...	Rev. J. Dalton	...	Rev. J. Dalton
" " "	...	...	1837	...	Dr. Greville	...	S. Hailstone

1253. *Juncus triglumis*, Linn.

*Alpine bogs, Carnarvon and Durham
northwards, absent Ireland.*

Distrib. Europe, N. Asia, N. America.

<i>Sp.</i> Teesdale, Durham	...	...	...	1885	..	H. J. Wilkinson	...	H. J. Wilkinson
Ben Lomond	...	...	...	1829	...	S. Hailstone	...	S. Hailstone
Clova, Forfarshire	...	...	...	1833	...	G. Munby	...	G. Munby
Braemar	...	...	...	1840	...	H. C. Watson	...	S. Hailstone
Ben Lomond	...	...	...	1829	...	S. Hailstone	...	„
Ben Lawers	...	...	...	1828	...	W. P. Bain	...	B. Baker

**1254. *Juncus capitatus*,
Weigel.**

*Inundated sands, Cornwall, Jersey
and Guernsey.*

Distrib. Europe, N. Africa.

<i>Sp.</i> Jersey	...	...	...	1837	...	W. Christy	...	S. Hailstone
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1255. *Luzula Forsteri*, D.C.

*Shaded places in chalky soil, Essex
and Cardigan southwards.*

Distrib. S. & Mid. Europe, N. Africa.

<i>Sp.</i> Claremont Park, Surrey	...	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
Essex	...	...	...	(1800)	...	W. Brunton	...	S. Hailstone

1256. *Luzula pilosa*, Willd.

Waste shady ground.

Distrib. Europe, N. Africa, Asia,
N. America.

<i>Sp.</i> Studley Woods, near Ripon	...	...	...	1830	...	Rev. J. Dalton	...	Rev. J. Dalton
Skipwith Common, Yorks.	...	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson

1257. *Luzula sylvatica*, Gaud.

Woods and heaths.

Distrib. Europe.

<i>Sp.</i> Beekdale, Helmsley, Yorks.	...	...	...	1882	...	H. J. Wilkinson	...	H. J. Wilkinson
Isle of Man	...	...	...	1841	...	S. Hailstone	...	S. Hailstone
Falls of Clyde	...	...	...	1840	...	„	...	„

1258. *Luzula arcuata*, Hook.

*High mountains of Aberdeen, Banff,
and Sutherland.*

Distrib. N. and Arctic Europe.

<i>Sp.</i> Ben Macdhui ...	...	...	1836	...	Fraser	...	S. Hailstone
Ben-ra-Muic-duich, Braemar...	...	...	1837	...	J. H. Balfour	...	"
Ben Macdhui ...	...	...	1809	...	Rev. J. Dalton	...	Rev. J. Dalton
" "	...	...	1883	...	A. E. Lomax	...	H. J. Wilkinson

1259. *Luzula spicata*, D.C.

*Mountains of Wales, Westmorland,
and Scotland.*

Distrib. Arctic Europe, N. Asia, N.
America.

<i>Sp.</i> Lochnagar ...	...	...	1807	...	W. Middleton	...	W. Middleton
Grampians ...	...	...	1809	...	Rev. J. Dalton	...	Rev. J. Dalton
Ben Lomond ...	...	...	1809	...	W. Middleton	...	W. Middleton
Ben Lawers ...	...	...	1809	...	Rev. J. Dalton	...	Rev. J. Dalton
" "	...	...	1809	...	Hooker	...	"
Clova ...	...	...	1842	...	J. H. Balfour	...	O. Moore
Lochnagar ...	...	...	1887	...	H. Fisher	...	H. J. Wilkinson
Ben Lawers ...	...	...	1841	...	Gourlie	...	S. Hailstone

1260. *Luzula campestris*, D.C.

Meadows, etc., common.

Distrib. Europe and all temperate and
cold regions.

<i>Sp.</i> Copgrove, Yorks. (<i>congesta</i>) ...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Isle of Man ...	...	1841	...	S. Hailstone	...	S. Hailstone
Teesdale (<i>congesta</i>) ...	...	1830	...	"	...	"
Trossachs ...	...	1830	...	"	...	"
Teesdale ...	...	1832	...	"	...	"

1261. *Luzula nivea*, Desr.

*A doubtful native, in any British
station.*

Distrib. S. Europe.

<i>Sp.</i> Fife ...	...	1847	...	Dr. Dewar	...	S. Hailstone
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TYPHACEÆ.

- | | DATE. | COLLECTOR. | HERBARIUM. |
|--|----------|--------------------|----------------|
| 1262. <i>Typha latifolia</i>, Linn. | | | |
| <i>Ponds and ditches from Elgin and Renfrew southwards.</i> | | | |
| <i>Distrib.</i> Europe, N. Africa, N. America. | | | |
| <i>Sp.</i> Bierley, Yorks. | 1800 ... | S. Hailstone ... | S. Hailstone |
| Ripon, Yorks. | 1824 ... | Rev. J. Dalton ... | Rev. J. Dalton |
| York | 1824 ... | W. Middleton ... | W. Middleton |
| 1263. <i>Typha angustifolia</i>.
Huds. | | | |
| <i>Ponds and ditches from Fife and Kirkcudbright southwards.</i> | | | |
| <i>Distrib.</i> Europe, N. Africa, Siberia. | | | |
| <i>Sp.</i> Ripon, Yorks. | 1830 ... | Rev. J. Dalton ... | Rev. J. Dalton |
| Between Rythe and Rye, Sussex ... | 1806 ... | W. Middleton ... | W. Middleton |
| Newcastle, Northumberland ... | 1800 ... | W. Brunton ... | S. Hailstone |
| 1264. <i>Sparganium ramosum</i>,
Huds. | | | |
| <i>Ponds and ditches.</i> | | | |
| <i>Distrib.</i> Europe, N. Africa, N. America. | | | |
| <i>Sp.</i> Thorp Arch, Yorks. | 1840 ... | S. Hailstone ... | S. Hailstone |
| 1265. <i>Sparganium simplex</i>,
Huds. | | | |
| <i>Ponds and ditches from Isla and Ross southwards.</i> | | | |
| <i>Distrib.</i> Europe, N. & W. Asia, N. America. | | | |
| <i>Sp.</i> Redear | 1822 ... | Hustler ... | S. Hailstone |
| Castle Howard Lake, Yorks... .. | 1806 ... | W. Middleton ... | W. Middleton |
| 1266. <i>Sparganium natans</i>,
Linn. | | | |
| <i>Lakes and ditches from Dorset & Kent northwards.</i> | | | |
| <i>Distrib.</i> Europe, N. Africa, W. Asia, N. America. | | | |
| <i>Sp.</i> Oban, Scotland | 1809 ... | W. Middleton ... | W. Middleton |
| Staveley Carr, near Borobridge, Yorks. (1800) ... | | Rev. J. Dalton ... | Rev. J. Dalton |

A R O I D E Æ .

				DATE.	COLLECTOR.	HERBARIUM.
1267. <i>Arum maculatum</i>, Linn.						
<i>Woods and hedgebanks from Berwick, etc., southwards.</i>						
<i>Distrib.</i> Europe, N. Africa.						
<i>Sp.</i> Thorp Arch, Yorks. ...	...	...	1840	...	S. Hailstone ...	S. Hailstone
Knavesmire Wood, York	...	...	1892	...	H. J. Wilkinson ...	H. J. Wilkinson

1268. *Acorus Calamus*, Linn.

Sides of ponds, etc., from York and Lancaster southwards, naturalized in Scotland and Ireland.

Distrib. Europe, Siberia, Himalaya and N. America.

<i>Sp.</i> Ince, near Wigan, Lanes. ...	...	...	1814	...	S. Hailstone	S. Hailstone
Howsham, Yorks. ...	...	...	1800	...	Rev. J. Dalton	Rev. J. Dalton

L E M N A C E Æ .

1269. *Lemna trisulca*, Linn.

Still pools and ditches.

Distrib. Europe, Siberia.

<i>Sp.</i> Selby, Yorks....	...	...	(1840)	...	Gibson	S. Hailstone
Yarmouth, Norfolk	...	...	1836	...	S. Hailstone	„
Near Ramsgate, Kent	...	...	1838	...	„	„

1270. *Lemna minor*, Linn.

Still pools.

Distrib. Almost universal.

<i>Sp.</i> Esher, Surrey	...	...	1841	...	H. C. Watson	S. Hailstone
Copgrove, Yorks.	...	...	1790	...	Rev. J. Dalton	Rev. J. Dalton

1271. *Lemna polyrrhiza*, Linn.

Still waters from Lanark & Edinburgh to Devon & Kent, southwards.

Distrib. Europe, Siberia, Madeira, N. America.

<i>Sp.</i> Norwich, Norfolk	...	...	1806	...	Rev. J. Dalton	Rev. J. Dalton
Thames Ditton, Surrey	...	...	1843	...	H. C. Watson	S. Hailstone

ALISMACEÆ.

- | | DATE. | COLLECTOR. | HERBARIUM. |
|---|------------|--------------------|----------------|
| 1272. <i>Alisma plantago</i>, Linn. | | | |
| <i>Margins and shallow waters from Ross southwards.</i> | | | |
| <i>Distrib.</i> Europe. | | | |
| <i>Sp.</i> Bowling Mill Dam, Yorks. ... | 1820 ... | S. Hailstone ... | S. Hailstone |
| 1273. <i>Alisma ranunculoides</i>, Linn. | | | |
| <i>Ditches, etc. from Ross southwards.</i> | | | |
| <i>Distrib.</i> Europe (excluding Turkey), N. Africa. | | | |
| <i>Sp.</i> Snowdon ... | 1808 ... | W. Middleton ... | W. Middleton |
| Near Ripon, Yorks. ... | 1800 ... | Rev. J. Dalton ... | Rev. J. Dalton |
| Doncaster ... | 1819 ... | S. Hailstone ... | S. Hailstone |
| Bramham Moor, Yorks. ... | 1801 ... | „ ... | „ |
| 1274. <i>Alisma natans</i>, Linn. | | | |
| <i>Lakes, etc., N. & W. of England, from York to Hereford, Stranaer (Scotland), W. Ireland.</i> | | | |
| <i>Distrib.</i> Europe | ... | No locality | Rev. J. Dalton |
| 1275. <i>Sagittaria sagittifolia</i>, Linn. | | | |
| <i>Canals, etc.</i> | | | |
| <i>Distrib.</i> Europe, N. Asia, N.W. India. | | | |
| <i>Sp.</i> In River Trent, Newark, Notts. ... | 1803 ... | W. Middleton ... | W. Middleton |
| Canal, near Skipton, Yorks. ... | 1805 ... | S. Hailstone ... | S. Hailstone |
| In the Foss, York ... | 1800 ... | „ ... | „ |
| 1276. <i>Actinocarpus Damasonium</i>, Br. | | | |
| <i>Ditches and pools from Salop & Suffolk to Sussex and Hants.</i> | | | |
| <i>Distrib.</i> S. Europe, N. Africa. | | | |
| <i>Sp.</i> Epping Fcrest, Essex ... | 1812 ... | Rev. J. Dalton ... | Rev. J. Dalton |
| Putney Heath, Surrey ... | 1848 ... | Lawrence ... | S. Hailstone |
| Ditton Common ... | (1840) ... | Dr. Bromfield ... | „ |
| Thames Ditton, Surrey ... | 1844 ... | H. C. Watson ... | „ |

1277. Butomus umbellatus,**Linn.**

Ditches and river sides from Cumberland and Durham southwards, Ireland, naturalized in Scotland.

Distrib. Europe, W. Asia to India.

<i>Sp.</i> Isle of Dogs	1834 ...	B. Baker ...	B. Baker
Brafferton, Yorks.	1834 ...	Rev. W. Gray ...	H. J. Wilkinson
Foss at York	1801 ...	S. Hailstone ...	S. Hailstone
In Leeds and Liverpool Canal from Armley to Holme Bridge	1827 ...	„ ...	„

NAIADACEÆ.**1278. Triglochin palustre,****Linn.**

Marshy ground.

Distrib. Europe (excluding Greece and Turkey), N. Africa, N. Asia, N. America.

<i>Sp.</i> Askham Bogs, near York	1892 ...	H. J. Wilkinson ...	H. J. Wilkinson
Near Spink Well Wood	1840 ...	S. Hailstone ...	S. Hailstone
Bottisham Fen, Cambs.	1843 ...	„ ...	„
Sharow, near Ripon, Yorks.	1830 ...	Rev. J. Dalton ...	Rev. J. Dalton

1279. Triglochin maritimum,**Linn.**

Salt marshes.

Distrib. Europe (Arctic), N. Africa, etc.

<i>Sp.</i> Whitby, Yorks.	1806 ...	Rev. J. Dalton ...	Rev. J. Dalton
Coatham, Yorks.	1799 ...	S. Hailstone ...	S. Hailstone

1280. Scheuchzeria palustris,**Linn.**

Marshes, Salop, Notts., Chester, York, Perth.

Distrib. Europe, N. Asia, N. America.

<i>Sp.</i> Leekby Carr, near Boro-bridge, Yorks.	1807 ...	Rev. J. Dalton ...	Rev. J. Dalton
„ „ „	1807 ...	W. Middleton ...	W. Middleton
„ „ „	1823 ...	S. Hailstone ...	S. Hailstone
„ „ „	1824 ...	Jas. Backhouse ...	„
„ „ „	1870 ...	Hy. Ibbotson ...	H. J. Wilkinson

1281. Potamogeton natans,**Linn.***Ponds and ditches.**Distrib.* Throughout the World.

<i>Sp.</i> Malton Ings, Yorks. ...	...	...	1803 ...	W. Middleton ...	W. Middleton
Bottisham Fen, Cambs. ...	...	...	1829 ...	Rev. J. Dalton ...	Rev. J. Dalton

**1282. Potamogeton polygoni-
folius, Pour.***Moorland pools, etc.**Distrib.* Europe, Asia, New Zealand.

<i>Sp.</i> Burwell Fen, Cambs. ...	...	...	1805 ...	Relhan ...	Rev. J. Dalton
Ripon, Yorks. ...	...	...	1820 ...	Rev. J. Dalton ...	„
Askham Bogs, York ...	...	...	1820 ...	S. Hailstone ...	S. Hailstone

**1283. Potamogeton plantagi-
neus, Du Croz.***Ponds and streams.**Distrib.* Europe, etc.

<i>Sp.</i> Heslington Fields, York ...	...	...	1844 ...	Hy. Baines ...	S. Hailstone
Norfolk ...	...	...	(1800) ...	D. Turner ...	Rev. J. Dalton
Bottisham Fen, Cambs. ...	...	...	1829 ...	Rev. J. Dalton ...	„
Burwell Fen, Cambs. ...	...	...	1829 ...	„ ...	„

**1284. Potamogeton fluitans,
Roth.***Pools, etc., on heaths.**Distrib.* Europe.

<i>Sp.</i> Ditches, near Ripon, Yorks. ...	...	...	1805 ...	W. Brunton ...	S. Hailstone
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**1285. Potamogeton rufescens,
Schräd.***Ponds and streams.**Distrib.* Europe, Siberia, N.W. Asia,
N. America.

<i>Sp.</i> Sussex ...	...	...	(1800) ...	Teesdale ...	Rev. J. Dalton
Teesdale, Yorks. ...	...	...	1816 ...	Rev. J. Dalton ...	„
Ripon, Yorks. ...	...	...	1800 ...	„ ...	„

1286. *Potamogeton heterophyllus*, Schreb.

*Ponds and streams from Isla and
Caithness southwards.*

Distrib. Europe.

<i>Sp.</i> Burwell Fen, Cambs.	...	...	1829	...	Rev. J. Dalton	...	Rev. J. Dalton
Potteric Carr, near Doncaster	...	...	1850	...	O. A. Moore	...	O. A. Moore
Shropshire	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
Loch of Clunie	...	...	1809	...	W. Middleton	...	W. Middleton
Ripon, Yorks.	...	...	1830	...	Rev. J. Dalton	...	Rev. J. Dalton

1287. *Potamogeton lucens*, Linn.

*Lakes and streams from Aberdeen and
Argyle to Devon and Kent.*

Distrib. Europe, N. Africa, N.W. India,
N. America.

<i>Sp.</i> Sussex	...	...	1830	...	Rev. J. Dalton	...	Rev. J. Dalton
Loch of Monyvaird, Perthshire	...	...	1842	...	Lady Keith Murray	...	S. Hailstone
Near Ripon, Yorks.	...	...	1800	...	W. Brunton	...	Rev. J. Dalton
River Derwent, Malton, Yorks.	...	...	1803	...	W. Middleton	...	W. Middleton

1288. *Potamogeton prælongus*, Wulf.

*Deep waters, chiefly on the East from
Nairn to Berks. and Surrey.*

Distrib. Europe, Himalaya, America.

<i>Sp.</i> River Waveney, Bungay, Suffolk	...	1843	...	D. Stock	...	S. Hailstone
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1289. *Potamogeton perfoliatus*, Linn.

Ponds and streams, common.

Distrib. Europe, N. Africa, N.W. India,
America.

<i>Sp.</i> River Aire, Kirkstall, near Leeds	...	1826	...	S. Hailstone	...	S. Hailstone
River Wharfe, at Castley, Yorks.	...	1830	...	„	...	„
Burwell and Bottisham Fens, Cambs.	...	1845	...	„	...	„
Boroughbridge, Yorks.	...	1820	...	W. Middleton	...	W. Middleton

1290. Potamogeton crispus.**Linn.***Ponds and ditches from Isla and Elgin
to Kent and Devon.**Distrib.* Europe, N. Asia, India, N.
America, Australia.

<i>Sp.</i> Malton Ings, Yorks. ...	...	1803 ...	W. Middleton ...	W. Middleton
River Foss, at York ...	...	1883 ...	H. J. Wilkinson ...	H. J. Wilkinson
Tarlton Bridge, Lanes. ...	...	1820—1830	S. Hailstone ...	S. Hailstone

1291. Potamogeton densus,**Linn.***Ponds and streams from Forth and
Clyde to Devon and Kent, Scot-
land and Ireland.**Distrib.* Europe, N. Africa.

<i>Sp.</i> Ripon, Yorks. ...	...	1820 ...	Rev. J. Dalton ...	Rev. J. Dalton
River Foss, at York ...	...	1883 ...	H. J. Wilkinson ...	H. J. Wilkinson
Mr. Percival's ponds, at Acomb, near York	...	1826 ...	S. Hailstone ...	S. Hailstone

**1292. Potamogeton zosteri-
folius, Schum.***Lakes and ditches from Forfar and
Perth southwards.**Distrib.* Europe, N. America.

<i>Sp.</i> Loch of Baggaries, Forfar ...	...	1842 ...	Miss Carnegie ...	S. Hailstone
Bottisham Fen, Cambs. ...	...	1829 ...	Rev. J. Dalton ...	Rev. J. Dalton

**1293. Potamogeton acutifolius,
Linn.***Lakes and ditches, Lincoln to Surrey
and Dorset.**Distrib.* Europe.

<i>Sp.</i> Sussex	...	1820 ...	W. J. Hooker ...	Rev. J. Dalton
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**1294. Potamogeton obtusi-
folius, M. & K.***Ponds and ditches from Lanark and
Kincardine to Devon and Kent.**Distrib.* Europe, N. America.

<i>Sp.</i> Loch of Clunie, Perthshire ...	...	1809 ...	W. Middleton ...	W. Middleton
Hell Kettles, Darlington ...	...	1816 ...	W. Backhouse ...	Rev. J. Dalton

1295. Potamogeton Friesii,**Rupr.***Ponds, rivers, etc.**Distrib.* Europe.

<i>Sp.</i> Tarlton Bridge, Laues.	...	...	1830	...	S. Hailstone	...	S. Hailstone
Ripou, Yorks.	...	...	1830	...	Rev. J. Dalton	...	Rev. J. Dalton
Newby, Yorks.	...	...	1830	...	„	...	„
Burwell and Bottisham Fens, Cambs.	1829	...	„	...	„	...	„

1296. Potamogeton pusillus,**Linn.***Rivers, ponds, etc.**Distrib.* Europe, N. Africa, N. America.

<i>Sp.</i> Redcar, Yorks.	...	...	1800	...	S. Hailstone	...	S. Hailstone
Canal, at Burnley, Laues.							
(var. <i>tenuissimus</i> , Fries.)	...	1800	...	„	...	„	
Ripon, Yorks.	...	...	1830	...	Rev. J. Dalton	...	Rev. J. Dalton
Norton Ings, Malton, Yorks....	...	1803	...	W. Middleton	...	W. Middleton	

1297. Potamogeton pectina-
tus, Linn.*Fresh and brackish waters.**Distrib.* Europe, N. Africa, N. Asia,
N. America and Australia.

<i>Sp.</i> Ripon, Yorks.	...	...	1830	...	Rev. J. Dalton	...	Rev. J. Dalton
Loch of Balgaries, Forfar	...	...	1842	...	Miss Carnegy	...	S. Hailstone
River Trent, Newark, Notts.							
(var. <i>marinus</i>)	...	1820	...	W. Middleton	...	W. Middleton	

1298. Potamogeton flabella-
tus, Bab.*Fresh and brackish waters, England
and Ireland.**Distrib.* Europe, N. Africa, Asia, N.
America.

<i>Sp.</i> Near Blackpool, Lancs.	...	...	(1830)	...	S. Hailstone	...	S. Hailstone
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1301. Zannichellia palustris,
Linn.*Fresh and brackish ditches and pools.**Distrib.* Europe, N. Africa, India.

<i>Sp.</i> Shelford, Cambs.	...	...	1834	...	S. Hailstone	...	S. Hailstone
Coatham, Yorks.	...	...	1820	...	Hustler	...	„

1302. *Zostera marina*, Linn.*Muddy estuaries.**Distrib.* Most temperate regions.

<i>Sp.</i> Brighton	...	...	...	1807	...	W. Middleton	...	W. Middleton
Coatham, Yorks.	...	...	...	1800	...	S. Hailstone	...	S. Hailstone

ERIOCAULACEÆ.**1303. *Eriocaulon septangulare*, With.***Lakes in W. Scotland & W. Ireland.**Distrib.* N. America, Scotland, Ireland.

<i>Sp.</i> Connemara	...	...	...	1820	...	W. Middleton	...	W. Middleton
Isle of Skye	...	...	...	1800	...	W. J. Hooker	..	Rev. J. Dalton
„ „	...	...	...	1850	...	H. Ibbotson	...	H. J. Wilkinson

CYPERACEÆ.**1304. *Cyperus fuscus*, Linn.***Wet meadows, Southern Counties.**Distrib.* Europe, N. Africa, W. Asia.

<i>Sp.</i> Shalford Common, Surrey	...	...	...	1846	...	Jno. D. Salmon	...	S. Hailstone
Chelsea, Middlesex	...	...	...	1830	...	Gibson	...	„

1305. *Cyperus longus*, Linn.*Marshes, Pembroke, and from Kent to Cornwall.**Distrib.* S. Europe, N. Africa.

<i>Sp.</i> Jersey	...	...	...	1840	...	S. Hailstone	...	S. Hailstone
Somerset	...	...	...	1790	...	Sole	...	Rev. J. Dalton

1306. *Eleocharis acicularis*, Sm.*Margins of pools, etc., from Perth and Kinross southwards, Scotland, W. Ireland.**Distrib.* Europe, Siberia, N.W. India, N. America.

<i>Sp.</i> Bainbridge, Yorks.	...	...	...	1810	...	Relhan	...	Rev. J. Dalton
Castle Howard, Yorks.	...	...	...	1790	...	Teesdale	...	„
Terrington Carr	„	...	...	1820	...	Rev. J. Dalton	...	„
Halifax, Yorks. (var. <i>longicaulis</i>)	...	...	...	1844	...	Saml. Gibson	...	S. Hailstone
Elland	„	...	...	1840	...	S. Hailstone	...	„
Stockton Common, Yorks.	...	...	...	1810	...	W. Middleton	...	W. Middleton
Strensall Common	„	...	...	1892	...	H. J. Wilkinson	...	H. J. Wilkinson
Castle Howard	„	...	...	1841	...	Richd. Spruce	...	Walker

1307. Eleocharis palustris,
R.Br.

Wet places.

Distrib. Europe, N. Africa, Asia, N.

America.

<i>Sp.</i> Shipley, Yorks.	...	...	...	1840	...	S. Hailstone	...	S. Hailstone
Ripon	„	...	...	1810	...	Rev. J. Dalton	...	Rev. J. Dalton
Stockton Common, Yorks.	...	...	...	1800	...	W. Middleton	...	W. Middleton
Askham Bog	„	...	...	1846	...	Hy. Baines	...	Walker
Strensall Common	„	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson

1308. Eleocharis multicaulis,
Sm.

Marshy places.

Distrib. Europe (excluding Turkey),

N. Africa, N. America.

<i>Sp.</i> Baguley Moor, Cheshire	...	...	...	1844	...	Hy. Baines	...	Walker
Bramham Moor, Yorks.	...	...	...	1805	...	Rev. J. Dalton	...	Rev. J. Dalton
Sawley Moor, near Ripon, Yorks.	...	...	...	1803	...	W. Brunton	...	S. Hailstone
Cronkley, Teesdale	...	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson
Strensall Common, Yorks.	...	...	...	1883	...	„	...	„
Stockton Common	„	...	...	1820	...	W. Middleton	...	W. Middleton
Houghton Moor	„	...	...	1798	...	R. Teesdale	...	Rev. J. Dalton

1309. Scirpus pauciflorus,
Lightf.

Moors, etc., northwards to Ross.

Distrib. Europe (excluding Turkey),

N. & W. Asia, N. America.

<i>Sp.</i> Shelford Common, Cambs.	...	...	...	1833	...	J. S. Henslow	...	B. Baker
Scotland	...	...	...	1809	...	Rev. J. Dalton	...	Rev. J. Dalton
Ripon, Yorks...	...	...	...	1805	...	„	...	„
Hinton Moor, Cambs.	...	...	...	1802	...	„	...	„
Cronkley Fell, Teesdale	...	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson
Strensall Common, Yorks.	...	...	...	1886	...	„	...	„
Braemar	...	...	...	1831	...	R. K. Greville	...	Walker
Bramham Park, Yorks.	...	...	...	1849	...	M. Birkbeck	...	S. Hailstone
Harrogate, Yorks.	...	...	...	1820	...	Dr. Murray	...	W. Middleton

1310. *Scirpus cæspitosus*, Linn.

- *Moors, etc.*

Distrib. Europe, N. America.

<i>Sp.</i> Eceleshill, Yorks.	...	...	...	1840	...	S. Hailstone	...	S. Hailstone
Hull	„	...	...	1841	...	J. Kitching	...	„
Giggleswick	„	...	...	1840	...	S. Hailstone	...	„
Strensall	„	...	...	1810	...	W. Middleton	...	W. Middleton
Ripon	„	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
Askham Bogs	„	...	...	1882	...	H. J. Wilkinson	...	H. J. Wilkinson

1311. *Scirpus nanus*, Spreng.

Sea shores, Hampshire, Devon, Dorset.

Distrib. Europe (excluding Spain and Turkey).

<i>Sp.</i> Poole, Dorset...	...	...	...	1885	...	H. Fisher	...	H. J. Wilkinson
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1312. *Scirpus fluitans*, Linn.

Boggy places.

Distrib. Europe, The Azores.

<i>Sp.</i> Dringhouses, near York	...	...	...	1806	...	S. Hailstone	...	S. Hailstone
Stockton Common	„	...	...	1810	...	W. Middleton	...	W. Middleton
Ripon	„	...	...	1810	...	Rev. J. Dalton	...	Rev. J. Dalton
Strensall Common	„	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson

1313. *Scirpus Savii*, Schultes.

Spongy bogs from Isla southwards.

Distrib. S. Europe, N. Africa.

<i>Sp.</i> Ayr	...	...	...	1836	...	Dr. Wood	...	S. Hailstone
„	„	...	...	1838	...	A. D. MacLagan	...	„

1314. *Scirpus setaceus*, Linn.

Sandy wet places.

Distrib. Europe, N. Africa.

<i>Sp.</i> Strensall, Yorks.	...	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson
Langwith	„	...	...	1892	...	„	...	„
Riccall	„	...	...	1892	...	„	...	„
Hebden Bridge, Yorks.	...	...	...	1840	...	S. Hailstone	...	S. Hailstone
Ripon	„	...	...	1800	...	Rev. J. Dalton	...	Rev. J. Dalton
Stockton Common	„	...	...	1810	...	W. Middleton	...	W. Middleton

**1315. Scirpus Holoschoenus,
B. & S.**

Sea coast, N. Devon.

Distrib. S. Europe, N. Africa, Siberia.

<i>Sp.</i> Braunton Burrows, Devon	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
Weston	...	...	1800	...	Relhan	...	,,
Braunton Burrows, Devon	...	...	1830	...	Borrer	...	,,

1316. Scirpus lacustris, Linn.

Marshes and ditches.

Distrib. Europe, N. Africa. N. Asia,
N. India, N. America.

<i>Sp.</i> River Foss, at York	...	...	1810	...	W. Middleton	...	W. Middleton
Eshton, Yorks.	...	...	1805	...	S. Hailstone	...	S. Hailstone
Ripon	,,	...	1800	...	Rev. J. Dalton	...	Rev. J. Dalton

**1317. Scirpus Tabernæmon-
tani, Gmel.**

*Wet places, usually near sea, from
Forfar and Isla southwards.*

Distrib. Europe.

<i>Sp.</i> Coatham, Yorks.	...	...	1800	...	S. Hailstone	...	S. Hailstone
Syke House, Hartlepool, Durham	...	...	1820	...	J. Backhouse	...	,,

1319. Scirpus triqueter, Linn.

Tidal river margins, Southern Counties

Distrib. Europe.

<i>Sp.</i> Banks of River Thames, Surrey	...	(1820)	...	Sir J. E. Smith	...	Rev. J. Dalton
Mortlake, Surrey	...	...	1880	A. Bennett	...	H. J. Wilkinson

1320. Scirpus maritimus, Linn.

*Salt marshes from Ross and Skye
southwards.*

Distrib. Europe, N. Africa, N.W. India,
N. America.

<i>Sp.</i> Blackpool, Lanes.	...	...	1800	...	S. Hailstone	...	S. Hailstone
Coatham, Yorks.	...	...	1799	...	,,	...	,,
Shorne, Kent	...	...	1800	...	W. Middleton	...	W. Middleton
Hornsea, Yorks.	...	...	1790	...	R. Teesdale	...	Rev. J. Dalton

1321. *Scirpus sylvaticus*, Linn.

Moist positions from Argyle and Banff southwards.

Distrib. Europe, N. America.

<i>Sp.</i> Richmond, Yorks.	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
Shipley	„	...	1840	...	S. Hailstone	...	S. Hailstone
Bradford	„	...	1843	...	„	...	„
Copgrove	„	...	1802	...	Rev. J. Dalton	...	Rev. J. Dalton
Newby	„	...	1802	...	„	...	„
Clifton Ings	„	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson
Bilton Woods, near Knaresboro', Yorks.	...	...	1883	...	„	...	„

**1322. *Blysmus compressus*,
Panz.
Scirpus compressus,
Pers.**

Marshes from Ayr and Haddington southwards.

Distrib. Europe (excluding Spain, Greece, and Turkey).

<i>Sp.</i> Welburn Moor, Yorks.	...	...	1790	...	Teesdale	...	Rev. J. Dalton
Knaresboro'	„	...	1802	...	Rev. J. Dalton	...	„
Teesdale	...	...	1820	...	„	...	„
Hartlepool, Durham	...	...	1810	...	W. Middleton	...	W. Middleton
Widdy Bank, Teesdale, Durham	...	...	1886	...	H. J. Wilkinson	...	H. J. Wilkinson
Coatham, Yorks.	...	...	1800	...	S. Hailstone	...	S. Hailstone

**1323. *Blysmus rufus*, Linn.
Scirpus rufus, Schrad.**

Wet pastures, usually near sea, from Anglesey and Durham northwards.

Distrib. Europe, Siberia, Himalaya.

<i>Sp.</i> Newcastle, Northumberland	...	...	1800	...	Robson	...	S. Hailstone
Anglesea	...	...	1800	...	Rev. H. Davies	...	Rev. J. Dalton
Hartlepool, Durham	...	...	1810	...	Rev. J. Dalton	...	„
St. Anne's, Lancs.	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson

**1324. *Eriophorum alpinum*,
Linn.**

Alpine bogs, Sutherland. (Forfar now extinct).

Distrib. Europe, N. Asia, N. America.

<i>Sp.</i> Moss of Restenet, Forfar	...	...	(1800)	...	W. J. Hooker	...	S. Hailstone
„	„	„	(1790)	...	Teesdale	...	Rev. J. Dalton

1325. Eriophorum vaginatum,
Linn.

Boggy moors.

Distrib. Europe (excluding Turkey),

W. Asia, N.W. Tibet, N. America.

<i>Sp.</i>	Strensall, Yorks.	...	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson
	Ingleboro' "	...	...	...	1810	...	S. Hailstone	...	S. Hailstone
	Teesdale	...	...	...	1842	...	M. Birkbeck	...	"
	Leckby Carr, Yorks	..	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
	Tanfield Carr	"	...	...	1802	...	"	...	"
	Pickering Moors	"	...	...	1820	...	"	...	"

1326. Eriophorum angustifolium, Roth.

Bogs, Shetland to Cornwall.

Distrib. Europe (excluding Turkey),

W. Asia, N.W. Tibet, N. America.

<i>Sp.</i>	Beverley, Yorks.	...	...	...	1790	...	Teesdale	...	Rev. J. Dalton
	Malham "	...	...	...	1801	...	Hustler	...	S. Hailstone
	Strensall "	...	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson
	Ripon "	...	...	...	1800	...	Rev. J. Dalton	...	Rev. J. Dalton
	Inverary	...	...	...	1801	...	S. Hailstone	...	S. Hailstone
	Craig Chailloch	...	...	...	1828	...	"	..	"

1328. Eriophorum latifolium,
Hoppe.

Spongy bogs in England, rare in Ireland.

Distrib. Europe.

<i>Sp.</i>	Tarnfield, Settle, Yorks.	...	...	...	(1840)	...	Gibson	...	S. Hailstone
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1329. Eriophorum gracile,
Koch.

Bogs, Yorks., Surrey, Hants.

Distrib. Europe, Siberia, N. America.

<i>Sp.</i>	No locality	...	...	...	(1820)	...	W. Middleton	...	W. Middleton
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1330. Rynchospora fusca,
R. & S.

Bogs in Dorset, Somerset, and Glamorgan, S.W. Ireland.

Distrib. N. Europe, N.E. America.

<i>Sp.</i>	Lough Corrib, Galway	...	...	...	1841	...	S. Hailstone	...	S. Hailstone
	Swansea, Glamorgan	...	...	...	1805	...	Rev. J. Dalton	...	Rev. J. Dalton
	Wareham, Dorset	...	...	...	1885	...	H. Fisher	...	H. J. Wilkinson

1331. *Rhynchospora alba*, Vahl.*Boggy ground.**Distrib.* Mid. and N. Europe, Siberia,

N. America.

<i>Sp.</i>	Terrington Carr, Yorks.	...	...	1796	...	Teesdale	...	Rev. J. Dalton
	Leekby Carr	..	...	1822	...	S. Hailstone	...	S. Hailstone
	Borrowdale	...	...	1804	...	..	...	..
	Ben Lawers	...	...	1809	...	Rev. J. Dalton	...	Rev. J. Dalton
	Leekby Carr, Yorks.	...	...	1820	...	..	...	..
		...	...	1810	...	W. Middleton	...	W. Middleton
	Strensall	..	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson

**1332. *Schoenus nigricans*,
Linn.***Bogs and wet moors.**Distrib.* Europe, N. Africa, Siberia.

<i>Sp.</i>	Staveley, Yorks.	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
	Helmsley	..	...	1809	...	W. Middleton	...	W. Middleton
	 (Beckdale)	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson

1333. *Cladium Mariscus*, Br.*Bogs and marshes, rarer in Scotland,**Ireland.**Distrib.* Europe, N. Africa, Siberia.

<i>Sp.</i>	Hell Kettles, near Darlington	...	...	1820	...	Backhouse	...	S. Hailstone
	Askham Bog, York	...	...	1844	...	C. H. Moore	...	O. A. Moore
	Isle of Ely	...	...	1800	...	Relhan	...	Rev. J. Dalton
	Newby, near Borobridge, Yorks.	...	...	(1800)	...	Rev. J. Dalton	...	..
	Terrington Carr, Yorks.	...	...	1790	...	R. Teesdale	...	..

1334. *Kobresia caricina*, Willd.*Mountain moors, Yorks., Durham and**Perth.**Distrib.* Europe (South and Central),

Greenland, Rocky Mountains.

<i>Sp.</i>	Teesdale	...	...	1840	...	H. Baines	...	W. Walker
	..	...	...	1824	...	W. Brunton	...	S. Hailstone
	..	...	...	1844	...	J. Backhouse, jr.	...	Walker
	Cronkley Fell, Yorks.	...	...	1885	...	H. J. Wilkinson	...	H. J. Wilkinson
	Widdy Bank, Durham	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
	No locality	...	...	(1800)	...	Rev. J. Harriman	...	..

1335. Carex dioica, Linn.

*Bogs and moorlands from Dorset and
Sussex northwards, Ireland.*

Distrib. Europe, Siberia, N. America.

<i>Sp.</i> Ripon, Yorks.	...	...	...	1810	...	Rev. J. Dalton	...	Rev. J. Dalton
Copgrove „	...	...	...	1802	...	„	...	„
Beverley „	...	...	...	1790	...	R. Teesdale	...	„
Stockton Common, Yorks.	...	...	...	1810	...	W. Middleton	...	W. Middleton
Terrington Carr „	...	...	...	1843	...	H. Ibbotson	...	Walker
Skipwith, Yorks.	...	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson
Strensall „	...	...	...	1883	...	„	...	„
Askham Bog „	...	...	...	1892	...	„	...	„
Manningham „	...	...	...	1840	...	S. Hailstone	...	S. Hailstone
Hawksworth Moor, Yorks.	...	...	...	1844	...	„	...	„
Heslington Fields „	...	...	...	1842	...	O. A. Moore	...	O. A. Moore

1336. Carex Davalliana, Sm.

Bogs.

Distrib. Europe, W. & S.

<i>Sp.</i> Bath, Somerset	...	...	...	(1790)	...	(Sir) J. E. Smith	...	Rev. J. Dalton
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1337. Carex pulicaris, Linn.

Bogs and moors, etc.

Distrib. Europe, N. Asia.

<i>Sp.</i> Stockton Common, Yorks.	...	...	...	1843	...	O. A. Moore	...	O. A. Moore
Skipwith „	„	...	...	1885	...	H. J. Wilkinson	...	H. J. Wilkinson
Strensall „	„	...	...	1892	...	„	...	„
Eccleshill Moors „	...	...	...	1840	...	S. Hailstone	...	S. Hailstone
Stockton Common „	...	...	...	1810	...	W. Middleton	...	W. Middleton
Terrington Carr „	...	...	...	1790	...	R. Teesdale	...	Rev. J. Dalton
Ripon, Yorks.	...	...	...	1806	...	Rev. J. Dalton	...	„

1338. Carex rupestris, All.

Wet Alpine rocks, Perth, Forfar, Aberdeen, and Sutherland.

Distrib. N. & Mid. Europe, N. Asia,
N. America.

<i>Sp.</i> Glen Callater...	...	...	...	1849	...	J. Backhouse, jr...	...	Walker
„ „	...	...	...	1842	...	J. H. Balfour	...	S. Hailstone

1339. Carex pauciflora, Lightf.

Moorland bogs from York and Dumfries to Sutherland.

Distrib. Europe, N. America.

<i>Sp.</i> Near Lilla Cross, N.E. Yorks.	...	1807	...	W. Middleton	...	W. Middleton
Near Carlisle, Cumberland	...	(1800)	...	R. Teesdale	...	„
Scotland	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
Lochnagar	...	1837	...	Ainley	...	S. Hailstone

1340. Carex incurva, Lightf.

East Coast, from Holy Island northwards.

Distrib. Europe, N. W. India, N. America.

<i>Sp.</i> Aberdeen	...	1809	...	Rev. J. Dalton	...	Rev. J. Dalton
Forfar	...	1810	...	W. Middleton	...	W. Middleton
Moray	...	1846	...	Jno. Tatham	...	S. Hailstone
Aberdeen	...	1842	...	J. H. Balfour	...	„

1341. Carex divisa, Huds.

Marshes by the sea, York, N. Wales, southwards.

Distrib. S. Europe, N. & S. Africa, N. W. India.

<i>Sp.</i> Yarmouth, Norfolk	...	1843	...	Geo. Fitt	...	S. Hailstone
Near Hull, Yorks.	...	1790	...	R. Teesdale	...	Rev. J. Dalton
Sandwich, Kent.	...	1800	...	Sir J. E. Smith	...	„
Yarmouth, Norfolk	...	1806	...	Rev. J. Dalton	...	„
Norfolk	...	1820	...	S. Hailstone	...	S. Hailstone

1342. Carex disticha, Huds.

Wet places.

Distrib. Europe, Siberia, N. America.

<i>Sp.</i> Selby, Yorks....	...	1806	...	S. Hailstone	...	S. Hailstone
Near Bradford, Yorks.	...	1845	...	M. Birkbeck	...	„
Ripon, Yorks.	...	1803	...	Rev. J. Dalton	...	Rev. J. Dalton
Askham Bogs, Yorks.	...	1807	...	W. Middleton	...	W. Middleton
Mill Crux, York	...	1842	...	O. A. Moore	...	O. A. Moore
Heslington Fields, York	...	1842	...	„	...	„

1343. *Carex arenaria*, Linn.*Sandy sea shores.**Distrib.* Europe, Siberia.

<i>Sp.</i> Redcar, Yorks.	1806	Rev. J. Dalton	Rev. J. Dalton
Sandwich, Kent	1807	W. Middleton	W. Middleton
Aberdeen	1810	"	"
Coatham, Yorks.	1820	S. Hailstone	S. Hailstone
Redcar, Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson
Hornsea, Yorks.	1796	R. Teesdale	Rev. J. Dalton
Near Hull, Yorks.	1796	"	"

**1344. *Carex teretiuscula*,
Good.***Bogs from Lanark and Moray to Devon
and Kent.**Distrib.* Enrope (excluding Turkey),
Canaries, Himalaya, N. America,
New Zealand.

<i>Sp.</i> Terrington Carr, Yorks.	1843	H. Ibbotson	H. J. Wilkinson
Copgrove ,, ...	1803	Rev. J. Dalton	Rev. J. Dalton
Beverley ,, ...	1790	R. Teesdale	"
Near Bradford ,, ...	1842	S. Hailstone	S. Hailstone
Near Manchester, Lancs.	1840	Jos. Sidebottom	"

(*pseudo-paradoxa*, Gibs.)

1345. *Carex paradoxa*, Willd.*Bogs, rare, Yorks., Norfolk, Ireland,
etc.**Distrib.* Europe, Siberia.

<i>Sp.</i> Heslington Fields, York	1843	Richd. Spruce	O. A. Moore
Askham Bogs, Yorks.	1843	Hy. Baines	"
" "	1892	H. J. Wilkinson	H. J. Wilkinson
Mullingar, Ireland	1843	D. Moore	S. Hailstone
Heslington Fields, York	1844	Richd. Spruce	"
The Pulfen, river Hull, Yorks.	1896	J. F. Robinson	J. F. Robinson

1346. *Carex paniculata*, Linn.*Wet places.**Distrib.* Europe, W. Siberia, Canaries.

<i>Sp.</i> Hackfall, Yorks.	1807	Rev. J. Dalton	Rev. J. Dalton
Castle Howard, Yorks.	1807	W. Middleton	W. Middleton
In a bog in front of Kirkstall Abbey, Yorks.	1804	S. Hailstone	S. Hailstone
Ripon ,, ...	1807	Rev. J. Dalton	Rev. J. Dalton
Hastings, Sussex	1834	S. Hailstone	S. Hailstone
Beckdale, Helmsley	1883	H. J. Wilkinson	H. J. Wilkinson
Oxton Bogs, Notts.	1892	"	"
Acomb, York	1841	O. A. Moore	O. A. Moore

1347. *Carex vulpina*, Linn.*Marshy ground.**Distrib.* Europe, N. Africa, Siberia,
N. America.

<i>Sp.</i>	Yearsley Bridge, Yorks.	...	...	1892	...	H. J. Wilkinson	...	H. J. Wilkinson
	Ripon, Yorks.	...	...	1807	...	Rev. J. Dalton	...	Rev. J. Dalton
	Iona Island	...	...	1809	...	"	...	"
	Stockton Common, Yorks.	...	...	1810	...	W. Middleton	...	W. Middleton
	Coatham, Yorks.	...	...	1800	...	S. Hailstone	...	S. Hailstone
	(sub. nom. <i>Scirpus triqueter</i>)							

1348. *Carex muricata*, Linn.*Marshes, etc., from Elgin and Dum-*
*barton southwards.**Distrib.* Europe, N. Africa, N. Asia,
N. America.

<i>Sp.</i>	Castle Howard, Yorks. (Cramb Beck)	1883	...	H. J. Wilkinson	...	H. J. Wilkinson		
	Dumfries	...	...	1849	...	P. Gray	...	S. Hailstone
	Ripon, Yorks.	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton

1349. *Carex divulsa*, Good.*Wet places from York and Denbigh*
*southwards.**Distrib.* Europe, N. Africa, N. Asia,
N. America.

<i>Sp.</i>	Ripon, Yorks.	...	...	1809	...	Rev. J. Dalton	...	Rev. J. Dalton
	Shipley	...	...	1844	...	S. Hailstone	...	S. Hailstone
	Castle Howard, Yorks.	...	...	1838	...	Hy. Ibbotson	...	H. J. Wilkinson

1350. *Carex stellulata*, Good.*Moors and bogs, north to Shetland.**Distrib.* N. Europe, N. Africa, W. Asia,
N. America.

<i>Sp.</i>	Ripon, Yorks.	...	...	1800	...	Rev. J. Dalton	...	Rev. J. Dalton
	Askham Bogs, Yorks.	...	...	1807	...	"	...	"
	Bradford Moors	...	...	1841	...	M. Birkbeck	...	S. Hailstone
	Castle Howard	...	...	1807	...	W. Middleton	...	W. Middleton
	Strensall	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson

1351. *Carex remota*, L.

Shady places from Argyle and Ross southwards.

Distrib. Europe, N. Africa, N. Asia, Himalaya, N. America.

<i>Sp.</i> Hob Moor, York	...	...	...	1842	...	O. A. Moore	...	O. A. Moore
Shipley, Yorks.	...	...	...	1844	...	M. Birkbeck	...	S. Hailstone
Dumfries	...	...	...	1839	...	Cruickshanks	...	"
Castle Howard, Yorks.	...	...	...	1800	..	Rev. J. Dalton	...	Rev. J. Dalton

1352. *Carex axillaris*, Good.

Damp places from York and Lancaster to Kent and Devon.

Distrib. Belgium, Germany, France.

<i>Sp.</i> Hob Moor, York	...	...	...	1842	...	H. Baines	...	S. Hailstone
Ripon Yorks.	...	...	...	1803	...	W. Brunton	...	"
Copgrove	..	...	...	(1802)	...	Rev. J. Dalton	...	Rev. J. Dalton
Hob Moor, York	...	...	...	1842	...	O. A. Moore	...	O. A. Moore
Beverley, Yorks.	...	...	...	1790	...	A. Teesdale	...	Rev. J. Dalton

1353. *Carex Boenninghausiana*, Weihe.

Wet copses, etc., from Aberdeen and Banff to Kent and Sussex.

Distrib. N. W. Europe.

<i>Sp.</i> Near Hastings, Sussex	...	...	...	1834	...	S. Hailstone	...	S. Hailstone
Esher, Surrey	...	...	...	1838	...	H. C. Watson	...	"

1354. *Carex elongata*, Linn.

Wet meadows, etc.

Distrib. Europe, Siberia, N. America

<i>Sp.</i> Near Manchester, Lancs.	...	...	...	1840	...	S. Gibson	...	S. Hailstone
Rotherham, Yorks.	...	...	...	1803	...	Salt	...	"
Langwith	..	...	...	1850	...	O. A. Moore	...	O. A. Moore
Near Manchester, Lancs.	...	...	...	1844	...	Leo H. Grindon	...	"

1355. *Carex lagopina*, Wahl.

Alpine bogs in Aberdeenshire.

Distrib. Europe, N. Asia, N. America.

<i>Sp.</i> Lochnagar, Aberdeenshire	...	...	...	1849	...	J. Backhouse, jr...	...	S. Hailstone
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1356. *Carex brizoides*, Linn.*Probably not native in Great Britain.**Distrib.* Europe.

<i>Sp.</i> Studley Wood, near Ripon, Yorks.	...	1844	...	McIvor	...	S. Hailstone
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1357. *Carex curta*, Good.*Bogs and marshes from Isla and Elgin southwards.**Distrib.* Europe (excluding Spain and Turkey), N. Asia, N. America, S. Chili.

<i>Sp.</i> Hutton Moor, Yorks.	...	1803	...	Rev. J. Dalton	...	Rev. J. Dalton
Leekby Carr	„	1807	...	„	...	„
Cottingley Moors	„	1842	...	S. Hailstone	...	S. Hailstone
Shipley Moors	„	1845	...	M. Birkbeck	...	„
Birley Moors	„	1844	...	S. Hailstone	...	„
Stittenham Wood	„	1883	...	H. J. Wilkinson	...	H. J. Wilkinson

1358. *Carex alpicola*, Wahl.*Distrib.* N. Europe.

<i>Sp.</i> Clova	...	1849	...	J. Backhouse	...	S. Hailstone
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1359. *Carex ovalis*, Good.*Wet ground.**Distrib.* Europe, Siberia, W. Asia, Greenland, Rocky Mountains.

<i>Sp.</i> Horton, near Bradford, Yorks.	...	1840	...	S. Hailstone	...	S. Hailstone
Near Manchester, Lanes.	...	1841	...	Leo H. Grindon	...	„
Terrington, Yorks.	...	1790	...	Teesdale	...	Rev. J. Dalton
Ripon	„	1802	...	Rev. J. Dalton	...	„
Strensall	„	1800	...	W. Middleton	...	W. Middleton
Askham Bogs	„	1883	...	H. J. Wilkinson	...	H. J. Wilkinson

1360. *Carex alpina*, Swartz.*Rocky ledges on Scottish mountains of Aberdeen and Forfar.**Distrib.* Europe, N. Asia, Himalaya, N. America.

<i>Sp.</i> Glen Callater, Aberdeenshire	...	1844	...	H. C. Watson	...	S. Hailstone
Forfar	...	1809	...	Rev. J. Dalton	...	Rev. J. Dalton
Glen Fee, Forfarshire	...	1848	...	Hugh M. Balfour	...	S. Hailstone

1361. Carex atrata, Linn.*Alpine rocks in N. Wales & Scotland.**Distrib.* Europe, N. Asia, Himalaya,
N. America.

<i>Sp.</i> Glen Isla	...	...	...	1837	...	J. H. Balfour	...	S. Hailstone
Braemar	...	...	...	1842	...	„	...	„
„	...	...	...	1809	...	Hooker	...	Rev. J. Dalton
Scotland	...	...	...	1807	...	W. Middleton	...	W. Middleton
Glen Isla	...	...	...	1807	...	Sir J. E. Smith	...	Rev. J. Dalton

1362. Carex Buxbaumii, Wahl.*Banks of islands in Lough Neagh,
Ireland.**Distrib.* Europe, N. Asia, N. America,
Australia.

<i>Sp.</i> Lough Neagh, Antrim	...	...	1849	...	Dr. Mateer	...	S. Hailstone
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1362a. Carex ustulata, Wahl.

<i>Sp.</i> From Ben Lawers, Perthshire	...	1915	...	D. A. Haggart	...	A. Templeman
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1363. Carex stricta, Good.*Wet places, Durham and Westmorland
to Kent and Dorset, Ireland.**Distrib.* Europe, N. Africa.

<i>Sp.</i> Bomere Pool, Shrops.	...	...	1840	...	Leighton	...	O. A. Moore
Near York	...	...	1806	...	S. Hailstone	...	S. Hailstone
Strensall Yorks.	...	...	1892	...	H. J. Wilkinson	...	H. J. Wilkinson
Askham Bogs „	...	...	1810	...	W. Middleton	...	W. Middleton
Sharow, near Ripon	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
Heslington Fields, York	...	...	1843	...	O. A. Moore	...	O. A. Moore

1364. Carex acuta, Linn.*Wet places from Argyle and Moray
southwards.**Distrib.* Europe, N. and W. Asia, N.
America.

<i>Sp.</i> Yearsley Bridge, York	...	...	1892	...	H. J. Wilkinson	...	H. J. Wilkinson
Near Ripon, Yorks.	...	...	1810	...	Rev. J. Dalton	...	Rev. J. Dalton

**1364a. Carex kattedgatensis,
Fries.**

<i>Sp.</i> From Wick River, Caithness	...	1897	...	Mr. & Miss Grant	A. Bennett
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1365. *Carex rigida*, Good.

*Stony Alpine pastures, N. Wales and
Yorkshire northwards.*

Distrib. Europe, N. Asia, Himalaya,
N. America.

<i>Sp.</i>	Clova ...	...	...	...	1842	...	J. H. Balfour	...	S. Hailstone
	Ben Lomond ..	..	...	...	1809	...	Rev. J. Dalton	...	Rev. J. Dalton
	Ingleboro', Yorks.	...	...	..	1797	...	"	...	"
	Carnedd, Llewellyn, Caern.	...	...	...	1884	...	H. Fisher	...	H. J. Wilkinson

1366. *Carex aquatilis*, Wahl.

*Bogs, etc., in Lanark, Fife, Forfar.
and Aberdeen.*

Distrib. N. Europe, Greenland, N.
America.

<i>Sp.</i>	Glen Callater	...	...	...	1849	...	J. Backhouse, jr...	...	Walker
	Clova, Forfar	...	...	...	1837	...	J. H. Balfour	...	S. Hailstone
	Braemar	...	...	...	(1840)	...	A. Croal	...	"

1367. *Carex vulgaris*, Fries.

Wet meadows.

Distrib. Europe, N. America.

<i>Sp.</i>	Clifton Ings, York	...	...	...	1842	...	O. A. Moore	...	O. A. Moore
	Near York	...	...	...	1820	...	S. Hailstone	...	S. Hailstone
	Ripon, Yorks.	...	...	...	1809	...	Rev. J. Dalton	...	Rev. J. Dalton
	Stockton „	...	...	...	1807	...	W. Middleton	...	W. Middleton
	Strensall „	...	..	...	1892	...	H. J. Wilkinson	...	H. J. Wilkinson

1368. *Carex glauca*, Murr.

Damp pastures, etc.

Distrib. Europe, N. Africa, Siberia.

<i>Sp.</i>	Helks Wood, Ingleton, Yorks.	...	...	...	1893	...	H. J. Wilkinson	...	H. J. Wilkinson
	Ripon, Yorks.	...	...	...	1807	...	Rev. J. Dalton	...	Rev. J. Dalton
	Shipley „	...	...	...	1840	...	S. Hailstone	...	S. Hailstone
	Stockton Common, Yorks.	...	...	...	1809	...	W. Middleton	...	W. Middleton

1369. *Carex irrigua*, Hoppe.

Peat bogs in Scotland.

Distrib. Europe.

<i>Sp.</i>	Near Haydon Bridge, Northumberland	1846	...	Jno. Thompson	...	S. Hailstone		
	Tereagles, Kirkcudbright	...	...	1840	...	Cruikshanks	...	„
	Near Haydon Bridge, Northumberland	(1820)	...	W. Borrer	...	Rev. J. Dalton		

1370. Carex limosa, Linn.

*Spongy bogs from Skye and Sutherland
to Hants. and Dorset.*

Distrib. Europe (excluding Turkey),
Siberia, W. Asia, N. America.

<i>Sp.</i> Suett Carr, near Strensall, Yorks.	...	...	1850	...	Hy. Ibbotson	...	H. J. Wilkinson
"	"	"	...	1883	...	H. J. Wilkinson	...
Tanfield, Ripon, Yorks.	...	...	1802	...	Rev. J. Dalton	...	Rev. J. Dalton
Leckby Carr	"	...	...	1806	...	"	...
"	"	...	...	1807	...	W. Middleton	...
Tanfield, Ripon	"	...	...	1824	...	W. Brunton	...
						S. Hailstone	

1371. Carex rariflora, Sm.

*Alpine bogs, Forfar, Aberdeen, Banff,
and Moray.*

Distrib. N. Europe, N. America.

<i>Sp.</i> Canlochen Glen	...	...	...	1848	...	J. Backhouse, jr...	S. Hailstone
Glen Dole	...	...	...	1809	...	Rev. J. Dalton	...
"	...	...	...	1832	...	J. Howson	...
Clova, Forfar	...	...	...	1832	...	R. K. Greville	...
"	"	...	...	1807	...	W. Middleton	...
"	"	...	...	1839	...	J. H. Balfour	...
						O. A. Moore	

1372. Carex digitata, Linn.

*Copses on Limestone, Yorks., Notts.,
Hereford, Glos., Somerset, etc.*

Distrib. Europe, Siberia.

<i>Sp.</i> Roche Abbey, Yorks.	...	...	...	1846	...	Rev. E. E. Smith	S. Hailstone
Thorp Arch	"	...	...	1842 & 1843	...	Richd. Spruce	...
Mackershaw Woods, Ripon	...	...	...	1804	...	W. Brunton	...
Thorp Arch, Yorks.	...	...	...	1832	...	S. Hailstone	...
Mackershaw Woods, Ripon	...	...	...	(1800)	...	Rev. J. Dalton	...
Helmsley, Yorks.	...	...	...	1883	...	H. J. Wilkinson	...
St. Vincent's Rocks, Bristol, Glos.	...	...	...	1883	...	H. Fisher	...
Mackershaw Wood, Ripon	...	...	...	1806	...	W. Middleton	...
						W. Middleton	

**1372a. Carex ornithopoda,
Willd.**

<i>Sp.</i> Cressshut Dale, Derbyshire	...	...	...	1874	...	T. Rogers	...
						A. Bennett	

1373. *Carex clandestina*, Good.*Dry hills, Hereford, Glos., Wilts.,**Dorset and Somerset.**Distrib.* Europe, Siberia.

<i>Sp.</i> St. Vincent's Rocks, Bristol, Glos. ...	1790 ...	Sole ...	...	Rev. J. Dalton
" " " " ...	1841 ...	O. A. Moore	...	O. A. Moore
" " " " ...	1842 ...	"	...	"
" " " " ...	1884 ...	H. Fisher	...	H. J. Wilkinson
" " " " ...	1840 ...	S. Hailstone	...	S. Hailstone

1374. *Carex montana*, Linn.*Heaths, etc., Worcester, Hereford, Monmouth, Glos., and Sussex.**Distrib.* Europe, W. Siberia.

<i>Sp.</i> Tunbridge Wells, Kent ...	(1830) ...	W. Borrer	...	S. Hailstone
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1375. *Carex pilulifera*, Linn.*Damp moors, heaths, etc.**Distrib.* Europe, W. Asia, N. America.

<i>Sp.</i> Castle Howard, Yorks. ...	1883 ...	H. J. Wilkinson	...	H. J. Wilkinson
Ben Lomond ...	1809 ...	Rev. J. Dalton	...	Rev. J. Dalton
Castle Howard, Yorks. ...	1807 ...	W. Middleton	...	W. Middleton
Hawthorn Moor, nr. Bradford, Yorks. ...	1844 ...	S. Hailstone	...	S. Hailstone
Malham Tarn, Yorks. ...	1807 ...	"	...	"
Knab Wood, Bingley, Yorks....	1842 ...	"	...	"

1376. *Carex præcox*, Jacq.*Moors and heaths.**Distrib.* Europe, N. Asia, introduced
N. America.

<i>Sp.</i> Poppleton Lane, near York ...	1883 ...	H. J. Wilkinson	...	H. J. Wilkinson
Ripon Yorks. ...	1806 ...	Rev. J. Dalton	...	Rev. J. Dalton
Poppleton ,, ...	1807 ...	W. Middleton	...	W. Middleton
Bradford ,, ...	1840 ...	S. Hailstone	...	S. Hailstone

1377. *Carex tomentosa*, Linn.*Wet meadows, Wiltshire.**Distrib.* Europe.

<i>Sp.</i> Merston Measay, Wilts. ...	1798 ...	R. Teesdale	...	Rev. J. Dalton
" " " ...	1849 ...	Dr. Withers	...	S. Hailstone

1378. *Carex pallescens*, Linn.*Wet meadows, etc.**Distrib.* Europe (excluding Spain), N. America.

<i>Sp.</i> Mackershaw Wood, Ripon	...	...	1842	...	O. A. Moore	...	O. A. Moore
Near Manchester, Lanes.	...	...	1842	...	Leo H. Grindon	...	„
Shipley, Yorks.	...	...	1844	...	M. Birkbeck	...	S. Hailstone
Thorp Arch „	...	...	(1840)	...	S. Davies	...	„
Castle Howard, Yorks.	...	...	1810	...	W. Middleton	...	W. Middleton
Studley, nr. Ripon „	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
Askham Bog „	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson

1379. *Carex panicea*, Linn.*Wet meadows, etc.**Distrib.* Europe, N. Asia, N. America.

<i>Sp.</i> Near Ripon, Yorks.	...	...	1805	...	Rev. J. Dalton	...	Rev. J. Dalton
Bradford Moor „	...	...	1841	...	S. Hailstone	...	S. Hailstone
Gilstead „	...	...	1841	...	„	...	„
Stockton, near York....	...	...	1810	...	W. Middleton	...	W. Middleton

1380. *Carex yaginata*, Tausch.*Rocky ledges of Scottish mountains.**Distrib.* Europe, N. Russia, N. America.

<i>Sp.</i> Clova, Aberdeenshire	...	...	1836	...	J. H. Balfour	...	S. Hailstone
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1381. *Carex capillaris*, Linn.*Grassy Alpine banks.**Distrib.* Europe, N. Asia, N. America.

<i>Sp.</i> Ben Lawers	...	...	1810	...	W. Middleton	...	W. Middleton
Clova	...	...	1842	...	J. H. Balfour	...	O. A. Moore
Glen Dole, Forfar	...	...	1840	...	Dr. Greville	...	„
Widdy Bank, Teesdale	...	...	1886	...	H. J. Wilkinson	...	H. J. Wilkinson
„ „	...	...	1842	...	S. Hailstone	...	S. Hailstone
Ben Lawers	...	...	1809	...	Rev. J. Dalton	...	Rev. J. Dalton

1382. *Carex pendula*, Huds.*Damp woods, Lanark and Elgin southwards.**Distrib.* Europe, N. Africa.

<i>Sp.</i> Forge Valley, Scarboro'	...	...	1882	...	H. J. Wilkinson	...	H. J. Wilkinson
Near Redcar, Yorks....	...	...	1822	...	S. Hailstone	...	S. Hailstone
Hastings, Sussex	...	...	1834	...	„	...	„
Hackfall, Ripon, Yorks.	...	...	1804	...	Rev. J. Dalton	...	Rev. J. Dalton

1383. *Carex strigosa*, Huds.

*Woods and copses from York and
Chester to Kent and Dorset,
Ireland.*

Distrib. Europe (excluding Spain, Turkey and Greece), N. Africa, W. Asia.

<i>Sp.</i> Helks Wood, Ingleton, Yorks.	...	1844	...	O. A. Moore	...	O. A. Moore
Ripon (Studley), Yorks.	...	1807	...	W. Middleton	...	W. Middleton
Cottrell Clough, Cheshire	...	1840	...	S. Gibson	...	S. Hailstone
Reddish, Lanes.	...	1840	...	Leo H. Grindon	...	O. A. Moore
Hackfall, Ripon, Yorks.	...	1802	...	W. Brunton	...	S. Hailstone
" "	...	1802	...	Rev. J. Dalton	...	Rev. J. Dalton

**1384. *Carex depauperata*,
Good.**

Dry woods, Surrey, Somerset, & Kent.

Distrib. Europe, N. Asia.

<i>Sp.</i> Godalming, Surrey	...	1844	...	J. D. Salmon	...	S. Hailstone
" "	...	1807	...	W. Middleton	...	W. Middleton
" "	...	1804	...	Dickson	...	Rev. J. Dalton

1385. *Carex sylvatica*, Huds.

Damp woods.

Distrib. Europe, N. Asia.

<i>Sp.</i> Shipley Glen, Yorks.	...	1830	...	S. Hailstone	...	S. Hailstone
Studley "	...	1803	...	Rev. J. Dalton	...	Rev. J. Dalton
Castle Howard "	...	1807	...	W. Middleton	...	W. Middleton

1386. *Carex lævigata*, Sm.

Marshy ground.

Distrib. Europe, N. Africa, N. America.

<i>Sp.</i> Dallow Gill, near Ripon, Yorks.	...	1800	...	Rev. J. Dalton	...	Rev. J. Dalton
" "	...	1802	...	W. Brunton	...	S. Hailstone
Luddenden, Yorks.	...	1844	...	S. King	...	O. A. Moore
Roslin Woods "	...	1809	...	Rev. J. Dalton	...	Rev. J. Dalton

1387. *Carex binervis*, Sm.

Damp moors, etc.

Distrib. Europe, N. Africa, W. Asia.

<i>Sp.</i> Clifton Ings, York	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson
Riccall, Yorks.	...	1883	...	"	...	"
Near Ripon, Yorks.	...	1802	...	W. Brunton	...	S. Hailstone
Stockton Forest, Yorks.	...	1807	...	W. Middleton	...	W. Middleton
Hawthorn Moor "	...	1845	...	M. Birkbeck	...	S. Hailstone
Ripon, Yorks.	...	1803	...	Rev. J. Dalton	...	Rev. J. Dalton

1388. *Carex distans*, Linn.*Brackish marshes.**Distrib.* Europe. N. Africa, N. America.

<i>Sp.</i> Leekby Carr, Yorks. ...	...	...	1807 ...	Rev. J. Dalton ...	Rev. J. Dalton
Seaton Carew ...	...	...	(1820) ...	Backhouse ...	S. Hailstone
Clifton Iugs, York ...	...	...	1842 ...	O. A. Moore ..	O. A. Moore
Skegness, Lincs. ...	...	...	1892 ...	H. Fisher ...	H. J. Wilkinson
Withernsea, Yorks. ...	...	...	1892 ..	H. J. Wilkinson ...	H. J. Wilkinson

1389. *Carex fulva*, Good.*Boggy pastures, etc.**Distrib.* Europe, N. America.

<i>Sp.</i> Askham Bogs, Yorks. ...	...	...	1892 ...	H. J. Wilkinson ...	H. J. Wilkinson
Slingsby Moor „ ...	...	...	1845 ...	Hy. Ibbotson ...	„
Settle „ ...	...	...	1841 ...	S. Gibson ...	S. Hailstone
Hebden Bridge „ ...	...	...	1841 ...	„ ...	„
Hawthorn „ ...	...	...	1844 ...	M. Birkbeck ...	„
Stockton Forest „ ...	...	...	1809 ...	W. Middleton ...	W. Middleton
Terrington Carr „ ...	...	...	1790 ...	R. Teesdale ...	Rev. J. Dalton
Heslington Fields, York ...	...	...	1842 ...	O. A. Moore ...	O. A. Moore
Ripon, Yorks. ...	...	...	1803 ...	W. Brunton ...	S. Hailstone
Beu Nevis ...	...	...	1807 ...	Rev. J. Dalton ...	Rev. J. Dalton
Dallow Gill, Ripon, Yorks. ...	...	...	1803 ...	„ ...	„
Hole of Horcum, Pickering ...	...	...	1806 ...	W. Middleton ...	W. Middleton

1390. *Carex extensa*, Good.*Brackish marshes.**Distrib.* Europe, N. Africa, W. Asia,

N. & S. America.

<i>Sp.</i> Yarmouth, Norfolk ...	...	...	1843 ...	Geo. Fitt ...	S. Hailstone
Hartlepool, Durham ...	...	...	1807 ...	Rev. J. Dalton ...	Rev. J. Dalton

1391. *Carex flava*, Linn.*Distrib.* Europe, W. Asia to India.

<i>Sp.</i> Strensall Common, Yorks. ...	...	...	1883 ...	H. J. Wilkinson ...	H. J. Wilkinson
Askham Bogs „ ...	...	...	1883 ...	„ ...	„
Near Ripon „ ...	...	...	1803 ...	W. Brunton ...	S. Hailstone
Hawthorn, near Bradford, Yorks. ...	...	...	1844 ...	„ ...	„
Tewersham Moor, Cambs. ...	...	...	1845 ...	„ ...	„

1392. Carex Oederi, Retz.*Bogs and heaths.**Distrib.* As *flava*.

<i>Sp.</i>	Near Ripon, Yorks.	...	...	1805	...	Rev. J. Dalton	...	Rev. J. Dalton
	Near Manchester, Lancs.	...	...	1842	...	Leo H. Grindon	...	O. A. Moore

1393. Carex filiformis, Linn.*Marshy ground.**Distrib.* Europe, Siberia, N. America.

<i>Sp.</i>	Strensall Common, Yorks.	...	...	1888	...	H. J. Wilkinson	...	H. J. Wilkinson
	Askham Bogs	„	...	1886	...	„	...	„
	Tanfield Carr, Ripon	„	...	1802	...	Rev. J. Dalton	...	Rev. J. Dalton
	Leckby Carr, Yorks.	...	...	1820	...	S. Hailstone	...	S. Hailstone
	„	„	...	1841	...	O. A. Moore	...	O. A. Moore
	„	„	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
	Ripon	„	...	1805	...	W. Brunton	...	S. Hailstone
	Leckby Carr	„	...	1810	...	W. Middleton	...	W. Middleton
	Ripon	„	...	1802	...	Rev. J. Dalton	...	Rev. J. Dalton

1394. Carex hirta, Linn.*Damp copses from Cantire and Moray
southwards, and Ireland.**Distrib.* Europe, N. Africa, Siberia.

<i>Sp.</i>	Copgrove, Yorks.	...	...	1808	...	Rev. J. Dalton	...	Rev. J. Dalton
	Baumaris, Anglesea	...	...	1802	...	„	...	„
	The Groves, York	...	...	1841	...	O. A. Moore	...	O. A. Moore
	Strensall Common, Yorks.	...	...	1892	...	H. J. Wilkinson	...	H. J. Wilkinson
	Airedale, Yorks.	...	...	1844	...	S. Hailstone	...	S. Hailstone
	Ripon	„	...	1820	...	„	...	„

**1395. Carex Pseudo-cyperus,
Linn.***Watery places from York & Lancaster
southwards to Kent and Devon.**Distrib.* Europe, N. & S. Africa, Asia,
America, Australia.

<i>Sp.</i>	Tarleton Bridge, Lancs.	...	...	1820	...	S. Hailstone	...	S. Hailstone
	Ripon, Yorks.	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
	Hob Moor, near York	...	...	1846	...	Richd. Spruce	...	Hy. Baines
	Askham Bogs	„	...	1888	...	H. J. Wilkinson	...	H. J. Wilkinson
	Clifton Ings	„	...	1888	...	„	...	„

1396. *Carex paludosa*, Good.*Wet places from Ross southwards.**Distrib.* Europe, N. Africa, W. Siberia,
N. W. India, N. America.

<i>Sp.</i> Thorp Arch, Yorks.	1830 ...	S. Hailstone ...	S. Hailstone
Kirkstall „	1830—1840	„ ...	„

1397. *Carex riparia*, Curtis.*River banks, etc. from Banff and Dum-
barton, southwards.**Distrib.* Europe, N. Africa, Siberia,
N. America, Chile, and Brazil.

<i>Sp.</i> Askham Bogs, Yorks.	1892 ...	H. J. Wilkinson ...	H. J. Wilkinson
Rombald's Moor, near Bradford, Yorks.	1820 ...	S. Hailstone ...	S. Hailstone

**1398. *Carex ampullacea*,
Good.***Bogs, etc.**Distrib.* Europe, Siberia, Himalaya,
N. America.

<i>Sp.</i> Bottisham Fen, Cambs.	1845 ...	S. Hailstone ...	S. Hailstone
Alderley, Cheshire	1844 ...	Leo H. Grindon...	O. A. Moore
Rombald's Moor, Yorks.	1820 ...	S. Hailstone ...	S. Hailstone
Stockton, near York	1810 ...	W. Middleton ...	W. Middleton
Askham Bogs, Yorks.	1892 ...	H. J. Wilkinson ...	H. J. Wilkinson
Ripon, Yorks.	1812 ...	Rev. J. Dalton ...	Rev. J. Dalton

1399. *Carex vesicaria*, Linn.*Bogs and marshes from Isla and Moray
southwards.**Distrib.* Europe, N. Africa, N. & W.
Asia, N.W. India, Greenland.

<i>Sp.</i> Rombald's Moor, Yorks.	1820 ...	S. Hailstone ...	S. Hailstone
Stockton Forest, near York	1820 ...	W. Middleton ...	W. Middleton
Clifton Ings, York	1842 ...	O. A. Moore ...	O. A. Moore
Malham Tarn, Yorks... ..	1807 ...	S. Hailstone ...	S. Hailstone
Ripon, Yorks.	1803 ...	Rev. J. Dalton ...	Rev. J. Dalton
Alderley, Cheshire	1844 ...	Leo H. Grindon...	O. A. Moore
Askham Bogs, Yorks, ...	1892 ..	H. J. Wilkinson ...	H. J. Wilkinson

1400. Carex pulla, Good.*Bogs in Scottish Alps.**Distrib.* N. Europe, N. America.

Sp. Glen Tilt, Forfar	...	...	...	1820	...	S. Hailstone	...	S. Hailstone
Milgudhy, Perth	...	...	...	1829	...	Dr. Greville	...	,,
,,	,,	...	...	1809	...	Rev. J. Dalton	...	Rev. J. Dalton
Ben Lawers	...	...	...	1809	...	Hooker	...	,,
,,	...	...	...	1809	...	W. Middleton	...	W. Middleton
,,	...	...	...	1841	...	Wm. Gourlie, jr...	...	O. A. Moore

GRAMINEÆ.**1401. Panicum sanguinalis,
Linn.***Alien.**Distrib.* Europe.

Sp. Sunderland Ballast Hills	...	...	...	1780	...	Robson	...	Rev. J. Dalton
Bungay, Suffolk	...	...	...	(1830)	...	Jno. Tatham, jr...	...	S. Hailstone

1402. Panicum glabrum, Gaud.*Sandy ground in S. E. Counties, Norfolk to Hampshire. A native or colonist.**Distrib.* Most warm countries.

Sp. Hartlepool, Durham	...	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
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**1403. Panicum Crus-galli,
Linn.***Naturalised in S. E. England.**Distrib.* All Temperate and Tropical regions.

Sp. Battersea Fields	...	...	...	1800	...	Sir J. E. Smith	...	Rev. J. Dalton
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1404. Setaria viridis, Beauv.*Fields, Norfolk, Suffolk and Surrey.
A colonist or native.**Distrib.* All warm climates.

Sp. Bungay, Suffolk.	...	...	...	1803	...	Rev. J. Dalton	...	Rev. J. Dalton
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**1405. Setaria verticillata,
Beauv.***Fields, Norfolk, Suffolk & Middlesex.**Distrib.* Similar to *S. viridis*.

Sp. Chelsea Gardens	...	...	...	1849	...	S. Hailstone	...	S. Hailstone
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1406. *Spartina stricta*, Roth.*Maritime marshes, etc.**Distrib.* Europe, N. America.

<i>Sp.</i> Oxford	...	...	...	1803	...	Rev. J. Dalton	...	Rev. J. Dalton
Kent	...	...	...	1810	...	Hooker	...	"
Suffolk	...	...	...	1820	...	S. Hailstone	...	S. Hailstone
„ (Aldborough)	...	...	...	1806	...	W. Middleton	...	W. Middleton

**1407. *Phalaris arundinacea*,
Linn.***Margins of rivers, lakes, etc.**Distrib.* Europe, N. & S.

<i>Sp.</i> Malton, Yorks.	...	...	...	1812	...	W. Middleton	...	W. Middleton
Clifton Ings	„	...	...	1890	...	H. J. Wilkinson	...	H. J. Wilkinson
Ripon	„	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
Near York	...	...	...	1812	...	W. Middleton	...	W. Middleton

**1408. *Anthoxanthum odora-*
tum, Linn.***Meadows and roadsides.**Distrib.* Europe, N. Africa, Siberia,
Greenland, introduced N. America.

<i>Sp.</i> Copgrove, Yorks.	...	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Near York	...	...	...	1806	...	S. Hailstone	...	S. Hailstone

**1409. *Alopecurus agrestis*,
Linn.***Fields and roadsides.**Distrib.* Europe, N. Africa, Siberia,
introduced N. America.

<i>Sp.</i> Copgrove, Yorks.	...	...	...	1801	...	Rev. J. Dalton	...	Rev. J. Dalton
Near York	...	...	...	1810	...	W. Middleton	...	W. Middleton
„	...	...	...	1842	...	O. A. Moore	...	O. A. Moore

1410. *Alopecurus fulvus*, Sm.*Meadows and wet places.**Distrib.* Europe, Siberia.

<i>Sp.</i> Norwich, Norfolk	...	...	...	1804	...	Rev. J. Dalton	...	Rev. J. Dalton
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**1411. *Alopecurus geniculatus*,
Linn.***Wet meadows, etc.**Distrib.* Europe, N. Africa, W. Asia,
introduced N. America.

<i>Sp.</i> Clifton Ings, York	...	...	...	1892	...	H. J. Wilkinson	...	H. J. Wilkinson
Near York	...	...	...	1810	...	W. Middleton	...	W. Middleton
Near Ripon	...	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton

1412. *Alopecurus bulbosus*, Linn.

Salt marshes from York and Chester southwards.

Distrib. W. Europe to Italy and Transylvania.

<i>Sp.</i>	Seaton	...	...	...	1810	...	Backhouse	...	S. Hailstone
	Southampton, Hants.	...	...	...	1885	...	H. Fisher	...	H. J. Wilkinson
	Yarmouth, Norfolk	...	...	...	1803	...	Rev. J. Dalton	...	Rev. J. Dalton

1413. *Alopecurus pratensis*, Linn.

Meadows and roadsides.

Distrib. Europe, N. Africa, W. Asia to N.W. India, introduced N. America.

<i>Sp.</i>	Copgrove, Yorks.	...	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
	Clifton Ings, near York	...	...	...	1886	...	H. J. Wilkinson	...	H. J. Wilkinson

1414. *Alopecurus alpinus*, Sm.

Scottish alps.

Distrib. Spitzbergen, Siberia, Greenland, N. Russia, America.

<i>Sp.</i>	Lochnager, Aberdeenshire	...	...	...	1806	...	Rev. J. Dalton	...	Rev. J. Dalton
	Clova, Forfar	...	...	...	1840	...	Balfour	...	S. Hailstone
	White Water, Angus	...	...	...	(1840)	...	Jno. Howson	...	„

1416. *Milium effusum*, Linn.

Damp woods.

Distrib. Europe, W. Asia, N. America.

<i>Sp.</i>	Bell Bank Wood, near Bingley, Yorks.	1809	...	S. Hailstone	...	S. Hailstone
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1417. *Phleum alpinum*, Linn.

Wet places on Scottish mountains.

Distrib. Europe, N. & W. Asia, N. America.

<i>Sp.</i>	Ben Lawers	...	...	...	1806	...	Rev. J. Dalton	...	Rev. J. Dalton
	Clova	...	...	...	1806	...	„	...	„
	„	...	...	...	1800	...	G. Donn	...	S. Hailstone
	„	...	...	...	1831	...	R. K. Greville	...	Walker
	„	...	...	...	1810	...	W. Middleton	...	W. Middleton

1418. Phleum pratense, Linn.*Pastures and roadsides.**Distrib.* Europe, W. Asia, N. Africa,
introduced N. America.

<i>Sp.</i> Ripon, Yorks. ...	...	...	1790 ...	Rev. J. Dalton ..	Rev. J. Dalton
Clifton Ings, York ...	...	...	1840 ...	O. A. Moore ...	O. A. Moore
Newmarket, Cambs. ...	...	...	1843 ...	S. Hailstone ...	S. Hailstone
York ...	...	...	1806 ...	„ ...	„

**1420. Phleum Boehmeri,
Wibel.***Fields in Eastern Counties.**Distrib.* Europe, Siberia, Dahuria.

<i>Sp.</i> Cambridgeshire ...	...	...	1810 ...	W. Middleton ...	W. Middleton
Barrington Hill, Cambs. ...	...	...	(1790) ...	Relhan ...	Rev. J. Dalton
Bottisham, Cambs. ...	...	...	1830 ...	S. Hailstone ...	S. Hailstone

1421. Phleum asperum, Jacq.*Not indigenous.**Distrib.* S. Europe.

<i>Sp.</i> Sunderland Ballast Hills, Durham ...	1780 ...	Robson ...	...	Rev. J. Dalton
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**1422. Phleum arenarium,
Linn.***Sandy coasts from Aberdeen south-
wards.**Distrib.* Europe, W. Africa.

<i>Sp.</i> Coatham, Yorks. ...	...	...	1799 ...	S. Hailstone ...	S. Hailstone
Burnham, Somerset ...	...	...	(1840) ...	R. Withers ...	„
Redcar, Yorks. ...	...	...	1826 ...	Rev. J. Dalton ...	Rev. J. Dalton
Hartlepool, Durham ...	...	...	1812 ...	W. Middleton ...	W. Middleton

**1423. Chamagrostis minima,
Borkh.***Wet sandy places, Anglesey, Jersey,
formerly Essex.*

<i>Sp.</i> Anglesea ...	...	...	1800 ...	Rev. J. Dalton ...	Rev. J. Dalton
Lyn Corow, Anglesea ...	...	...	1840 ...	Dr. Wood ...	S. Hailstone
Jersey ...	...	...	1841 ...	S. Hailstone ...	„

1424. *Agrostis setacea*, Curtis

Dry downs from Glamorgan and Cornwall to Sussex and Hants.

Distrib. W. & S. Europe.

Sp. Cley, Norfolk (1840) ... S. Hailstone ... S. Hailstone

1425. *Agrostis canina*, Linn.

Heathy moors.

Distrib. Europe, W. Asia, N. and S.
America, Australia, New Zealand.

Sp. Acomb, Yorks. 1842 ... O. A. Moore ... O. A. Moore
Thames Ditton, Surrey 1843 ... S. Hailstone ... S. Hailstone
Strensall, York 1886 ... H. J. Wilkinson ... H. J. Wilkinson

1426. *Agrostis alba*, Linn.

Pastures, etc.

Distrib. Europe, N. Africa, Siberia,
N. America.

Sp. Bridlington, Yorks. (var. *stolonifera*) 1805 ... W. Middleton ... W. Middleton
Askham Bogs, near York 1886 ... H. J. Wilkinson ... H. J. Wilkinson
Skipwith, Yorks. (var. *gigantea*) ... 1892 ... „ ... „

1427. *Agrostis vulgaris*, With.

Wet meadows.

Distrib. Europe, N. Africa, Himalaya,
N. America.

Sp. Strensall Common, Yorks. 1886 ... H. J. Wilkinson ... H. J. Wilkinson
Skipwith, Yorks. 1892 ... „ ... „
Ripon „ 1800 ... W. Brunton ... S. Hailstone
Cleveland „ 1810 ... „ ... „
Harrogate „ 1790 ... R. Teesdale ... Rev. J. Dalton

**1428. *Apera Spica-venti*,
Beauv.**

Sandy fields, East of England.

Distrib. Europe, N. Africa, Siberia.

Sp. Thames Ditton, Surrey 1843 ... H. C. Watson ... S. Hailstone
Borobridge, Yorks. 1820 ... W. Middleton ... W. Middleton
Alne „ 1790 ... Arch. Pierson ... Rev. J. Dalton
Bulmer, near Castle Howard, Yorks... 1780 ... R. Teesdale ... „
Suett Carr, near Strensall „ ... 1840 ... O. A. Moore ... O. A. Moore
Skipwith Common „ ... 1884 ... H. J. Wilkinson ... H. J. Wilkinson

1429. *Polypogon monspeliensis*, Desf.

Damp meadows, S.E. Coast, Norfolk to Hants.

Distrib. Europe, N. Africa, W. Asia.

<i>Sp.</i> Torquay, Devon	...	...	...	1804	...	Rev. J. Dalton	...	Rev. J. Dalton
Essex	...	...	...	1800	...	Robson	...	S. Hailstone
Woolwich, Kent	...	...	...	1840	...	G. Rogers	...	"
Bristol, Glos.	...	...	...	1885	...	H. Fisher	...	"

1430. *Polypogon littoralis*, Sm.

Muddy salt marshes, Norfolk to Hants.

Distrib. W. Europe.

<i>Sp.</i> Woolwich, Kent	...	...	...	1846	...	G. E. Deanes	...	S. Hailstone
"	"	...	...	1812	...	W. Middleton	...	W. Middleton

1431. *Stipa pennata*, Linn.

An alien, not established.

Distrib. S. Europe.

<i>Sp.</i> No locality	...	...	...	...	...	Sowerby	...	S. Hailstone
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1432. *Calamagrostis epigeios*, Roth.

Damp shady places.

Distrib. Europe, Asia, Siberia.

<i>Sp.</i> Rufforth, Yorks.	...	...	...	1870	...	Hy. Ibbotson	...	H. J. Wilkinson
Moor Monkon	"	...	...	1890	...	H. J. Wilkinson	...	"
Kiddal Lane, Barwick, Yorks.	...	...	...	1820	...	S. Hailstone	...	S. Hailstone
Gainsboro', Lines.	...	...	...	1803	...	Rev. J. Dalton	...	Rev. J. Dalton
Thirsk, Yorks.	...	...	...	1800	...	"	...	"
Coneysthorpe, near Malton, Yorks.	...	...	...	1810	...	W. Middleton	...	W. Middleton

1433. *Calamagrostis lanceolata*, Roth.

Damp copses, hedges, etc.

Distrib. Europe, W. Asia, Siberia.

<i>Sp.</i> Crambe, near Castle Howard	...	...	...	1882	...	H. J. Wilkinson	...	H. J. Wilkinson
Askham Bogs, Yorks.	...	...	...	1882	...	"	...	"
Copgrove	"	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Castle Howard	"	...	...	1790	...	R. Teesdale	...	"
Askham Bogs	"	...	...	1806	...	S. Hailstone	...	S. Hailstone
Near Ripon	"	...	...	1800	...	W. Brunton	...	"
Heslington Fields	"	...	...	1843	...	O. A. Moore	...	O. A. Moore

**1434. Calamagrostis stricta,
Nutt.**

Bogs, Delamere Forest, Forfar.

Distrib. N. Europe, Dahuria, N. America

<i>Sp.</i> Forfar	...	...	...	1810	...	Hooker	...	Rev. J. Dalton
Lough Neagh (var. <i>Hookeri</i>)	...	...	...	1847	...	Dr. Mateer	...	S. Hailstone

**1435. Psamma arundinacea,
Host.**

Sand hills by the sea.

Distrib. Shores of Europe & N. Africa

<i>Sp.</i> Spurn Point, near Hull, Yorks.	...	...	...	1844	...	O. A. Moore	...	O. A. Moore
Tunstall, E. Yorks.	...	...	...	1892	...	H. J. Wilkinson	...	H. J. Wilkinson
Coatham, N.E. „	...	...	...	1799	...	S. Hailstone	...	S. Hailstone
Hornsea, E. „	...	...	...	1796	...	R. Teesdale	...	Rev. J. Dalton

1436. Lagurus ovatus, Linn.

*Sandy ground, Guernsey, naturalized
near Saffron Walden.*

Distrib. W. & S. Europe, W. Asia,
N. Africa.

<i>Sp.</i> Guernsey	...	...	...	1826	...	S. Hailstone	...	S. Hailstone
„	...	...	...	1802	...	W. Middleton	...	W. Middleton

**1437. Aira caryophyllea,
Linn.**

Sandy fields.

Distrib. Europe, introduced N. America

<i>Sp.</i> Near Ripon, Yorks.	...	...	...	1805	...	S. Hailstone	...	S. Hailstone
Strensall Common „	...	...	...	1886	...	H. J. Wilkinson	...	H. J. Wilkinson

1438. Aira præcox, Linn.

Sandy places.

Distrib. Europe, introduced N. America.

<i>Sp.</i> Roseberry Topping, Yorks.	...	...	...	1799	...	S. Hailstone	...	S. Hailstone
Near Ripon „	...	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
Strensall Common „	...	...	...	1810	...	W. Middleton	...	W. Middleton
„ „ „	...	...	...	1886	...	H. J. Wilkinson	...	H. J. Wilkinson

1439. *Aira canescens*, Linn.

*Sandy coasts, Norfolk, Suffolk, Kent,
and Channel Islands.*

Distrib. Europe, Siberia.

<i>Sp.</i>	Yarmouth, Norfolk	...	...	...	1843	...	J. Backhouse	...	S. Hailstone
	„	„	(south shore)	...	1843	...	S. Hailstone	...	„
	„	„	...	...	1803	...	Rev. J. Dalton	...	Rev. J. Dalton
	Suffolk	...	...	...	1803	...	„	...	„
	Yarmouth, Norfolk	...	...	...	1800	...	„	...	„

1440. *Aira cæspitosa*, Linn.

Wet meadows.

Distrib. Europe.

<i>Sp.</i>	Clifton Ings, York	...	...	...	1886	...	H. J. Wilkinson	...	H. J. Wilkinson
	„	„	...	...	1809	...	W. Middleton	...	W. Middleton

1441. *Aira alpina*, Linn.

Alpine rocks in Scottish Highlands.

Distrib. N. Europe, Iceland

<i>Sp.</i>	Cairngorm	...	...	...	1810	...	W. J. Hooker	...	Rev. J. Dalton
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1442. *Aira flexuosa*, Linn.

Dry commons and woods.

Distrib. Europe, W. Asia, N. America,

Fuegia.

<i>Sp.</i>	Hildenley Wood, near Malton, Yorks.	1806	...	W. Middleton	...	W. Middleton
	Ilkley, Yorks.	...	...	1810	...	S. Hailstone
	Pateley Bridge, Yorks.	...	...	1885	...	H. J. Wilkinson
	Seawton Moor, near Helmsley	...	1886	...	„	„

1443. *Holcus mollis*, Linn.

Waste places, woods, etc.

Distrib. Europe (except N. Russia),

N. Africa.

<i>Sp.</i>	Clifton Ings, York	...	...	...	1890	...	H. J. Wilkinson	...	H. J. Wilkinson
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1444. *Holcus lanatus*, Linn.

Fields and waste places.

Distrib. Europe, N. Africa, Siberia,

introduced N. America.

<i>Sp.</i>	Clifton Ings, near York	...	...	...	1890	...	H. J. Wilkinson	...	H. J. Wilkinson
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1445. Avena pratensis, Linn.*Moors and dry places.**Distrib.* Europe.

<i>Sp.</i> Copgrove, Yorks.	1790	Rev. J. Dalton	Rev. J. Dalton
Newmarket, Cambs.	1845	S. Hailstone	S. Hailstone
Arran (var. <i>alpina</i>)	1809	W. J. Hooker	Rev. J. Dalton

1446. Avena pubescens, Linn.*Dry places.**Distrib.* Europe, Siberia.

<i>Sp.</i> Malham, Yorks.	1842	M. Birkbeck	S. Hailstone
Clifton Ings ,, ...	1886	H. J. Wilkinson	H. J. Wilkinson
Copgrove ,, ...	1790	Rev. J. Dalton	Rev. J. Dalton

1447. Avena flavescens, Linn.*Dry pastures and waste ground.**Distrib.* Europe, N. Africa, N. Asia,
Himalaya.

<i>Sp.</i> Clifton Ings, York	1882	H. J. Wilkinson	H. J. Wilkinson
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1448. Avena strigosa, Schreb.*Cornfields, etc., not native.**Distrib.* Europe, N. Africa, N.W. India

<i>Sp.</i> Bradford, Yorks.	1800	S. Hailstone	S. Hailstone
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1449. Avena fatua, Linn.*Cornfields, common.**Distrib.* Europe, N. Africa, etc.

<i>Sp.</i> Copgrove, Yorks.	1790	Rev. J. Dalton	Rev. J. Dalton
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1450. Avena elatior, Linn.*Fields and hedge sides.**Distrib.* Europe, N. Africa, W. Asia,
introduced N. America.

<i>Sp.</i> Clifton Ings, York	1892	H. J. Wilkinson	H. J. Wilkinson
„ „ (var. <i>bulbosum</i>)	1882	„	„

1451. Cynodon Dactylon, Pers.*Sandy shores, Dorset to Cornwall.**Distrib.* Europe, Asia, Africa, intro-
duced N. America.

<i>Sp.</i> Penzance, Cornwall	1823	Rev. J. Dalton	Rev. J. Dalton
Cornwall	1800	Sir J. E. Smith	„

1452. Triodia decumbens,
Beauv.

Dry commons and pastures.

Distrib. Europe, N. Africa.

<i>Sp.</i> Widdy Bank, Teesdale	...	...	1824	...	S. Hailstone	...	S. Hailstone
Snett Carr, Yorks....	...	...	1886	...	H. J. Wilkinson	...	H. J. Wilkinson
Terrington Carr „	...	...	1810	...	W. Middleton	...	W. Middleton

1453. Arundo Phragmites,
Linn.

Ponds and ditches.

Distrib. Europe, Asia, Africa, America,
Australia.

<i>Sp.</i> Askham Bogs, Yorks.	...	...	1890	...	H. J. Wilkinson	...	H. J. Wilkinson
Newby, near Borobridge, Yorks.	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton

1454. Sesleria cærulea, Scop.

Mountain pastures, especially limestone

Distrib. Europe.

<i>Sp.</i> Cronkley, Teesdale, Yorks.	...	...	1896	...	H. J. Wilkinson	...	H. J. Wilkinson
Highforce „ „	...	...	1883	...	„	...	„
Studley „	...	...	1800	...	W. Brunton	...	W. Brunton
Malham Cove „	...	...	1832	...	S. Hailstone	...	S. Hailstone
Teesdale	...	...	(1820)	...	Rev. J. Dalton	...	Rev. J. Dalton

1455. Cynosurus cristatus,
Linn.

Pastures and roadsides.

Distrib. Europe, N. Africa.

<i>Sp.</i> Near Bradford, Yorks.	...	...	1810—1840	...	S. Hailstone	...	S. Hailstone
Clifton Ings „	...	...	1890	...	H. J. Wilkinson	...	H. J. Wilkinson
„ „	...	...	1840	...	O. A. Moore	...	O. A. Moore

1456. Cynosurus echinatus,
Linn.

Sandy shores, Channel Islands, introduced on British Coasts.

Distrib. S. Europe, N. Africa, W. Asia.

<i>Sp.</i> Boston Spa, Yorks.	...	...	1849	...	M. Birkbeck	...	S. Hailstone
Guernsey	...	...	(1840)	...	F. Lutem	...	„

1457. Koeleria cristata, Pers.*Hilly pastures, etc.**Distrib.* Europe, N. Asia, N. Africa,
N. & S. America.

<i>Sp.</i>	Thorp Arch, Yorks. ...	...	1849 ...	M. Birkbeck	...	S. Hailstone
	Newmarket, Cambs. ...	...	1845 ...	S. Hailstone	...	,,
	Ripon, Yorks. ...	...	1805 ...	W. Brunton	...	,,
	Thorp Arch ,, ...	...	1845 ...	S. Hailstone	...	,,
	St. Vincent's Rocks, Bristol, Glos. ...	...	1885 ...	H. Fisher	...	H. J. Wilkinson
	Coneysthorpe, Yorks... ..	...	1840 ...	Richd. Spruce	...	,,
	Roulston Scarr, Hambleton Hills, Yorks. ...	...	1904 ...	H. J. Wilkinson	...	,,

**1458. Molinia cærulea,
Moench.***Wet moors.**Distrib.* Europe, Siberia, W. Asia, N.
Africa.

<i>Sp.</i>	Bottisham, Cambs. ...	...	1839 ...	S. Hailstone	...	S. Hailstone
	Strensall, Yorks. ...	...	1892 ...	H. J. Wilkinson	...	H. J. Wilkinson
	Seawton Moors, Helmsley ...	...	1886 ...	,,	...	,,
	Coneysthorpe, Yorks... ..	...	1810 ...	W. Middleton	...	W. Middleton
	Olva	...	1832 ...	R. K. Greville	...	Rev. J. Dalton

**1459. Catabrosa aquatica,
Beauv.***In and on margins of ponds.**Distrib.* Europe, N. Africa, Siberia,
Himalaya, N. America.

<i>Sp.</i>	Colne, Lanes. ...	...	1803 ...	S. Hailstone	...	S. Hailstone
	Bradford, Yorks. ...	...	1814 ...	,,	...	,,
	Ripon ,, ...	...	1820 ...	,,	...	,,
	Redcar ,, (var. <i>minor</i> , Bab.)	...	1840 ...	Hy. Ibbotson	...	H. J. Wilkinson

1460. Melica nutans, Linn.*Woods and shady banks.**Distrib.* Europe, N. Asia.

<i>Sp.</i>	Mackershaw Woods, Ripon, Yorks. ...	...	1804 ...	W. Brunton	...	S. Hailstone
	Thorp Arch Woods ,,	...	1842 ...	S. Hailstone	...	,,
	Mackershaw Woods ,,	(1800)...	...	Rev. J. Dalton	...	Rev. J. Dalton
	Aysgarth ,,	1892 ...	...	A. Wilkinson	...	H. J. Wilkinson
	Forge Valley, Scarborough' ,,	1892 ...	...	H. J. Wilkinson	...	,,
	Helks Wood, Ingleton ...	...	1893 ...	,,	...	,,

1461. *Melica uniflora*, Retz.*Woods from Elgin southwards.**Distrib.* Europe.

<i>Sp.</i> Crambe, Castle Howard, Yorks.	...	1892	...	H. J. Wilkinson	...	H. J. Wilkinson
Thorp Arch, Yorks.	...	1842	...	S. Hailstone	...	S. Hailstone
Studley, „	...	1843	...	O. A. Moore	...	O. A. Moore
Hawthornden, „	...	1840	...	O. A. Moore	...	O. A. Moore

**1462. *Dactylis glomerata*,
Linn.***Pastures and waste ground.**Distrib.* Europe, N. Africa, Siberia,
N. India, introduced N. America.

<i>Sp.</i> Clifton Ings, York	...	1896	...	H. J. Wilkinson	...	H. J. Wilkinson
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1463. *Briza media*, Linn.*Meadows and roadsides.**Distrib.* Europe, Siberia, W. Asia.

<i>Sp.</i> Knavesmire Wood, York	...	1886	...	H. J. Wilkinson	...	H. J. Wilkinson
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1464. *Briza minor*, Linn.*Fields from Hants to Cornwall, Ireland, Channel Islands.**Distrib.* Europe, N. Africa.

<i>Sp.</i> Penzance, Cornwall	...	1826	...	Rev. J. Dalton	...	Rev. J. Dalton
Helstone, „	...	(1830)	...	Dr. MacLagan	...	S. Hailstone

1465. *Poa annua*, Linn.*Waste places everywhere.**Distrib.* Europe, Asia, N. Africa, doubtfully native N. America.

<i>Sp.</i> Clifton Scope, York	...	1892	...	H. J. Wilkinson	...	H. J. Wilkinson
Copgrove, Yorks.	...	1793	...	Rev. J. Dalton	...	Rev. J. Dalton
Horton, near Bradford	...	1840	...	S. Hailstone	...	S. Hailstone

1466. *Poa bulbosa*, Linn.*Sandy shores, S. & E. England.**Distrib.* Europe, Asia, Siberia.

<i>Sp.</i> Yarmouth, Norfolk	...	1846	...	S. Hailstone	...	S. Hailstone
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1467. *Poa alpina*, Linn.

High mountains from York and Westmorland northwards.

Distrib. Europe, W. Asia, Himalaya,
N. America.

<i>Sp.</i> Snowdon	...	...	...	1808	...	S. Hailstone	...	S. Hailstone
Ben Lomond	...	...	...	1829	...	"	...	"
Loch Na Gar	...	...	...	1830	...	R. K. Greville	...	Walker
" "	...	...	...	1812	...	W. Middleton	...	W. Middleton
Ben Lomond	...	...	...	1810	...	Rev. J. Dalton	...	Rev. J. Dalton
Ben Lawers	...	...	...	1809	...	W. Middleton	...	W. Middleton
Ben Nevis	...	...	...	(1800)	...	Sir J. E. Smith	...	Rev. J. Dalton
Ben Lawers	...	...	...					
Loch Na Gar (as <i>P. laxa</i>)	...	...	...	1809	...	Rev. J. Dalton	...	Rev. J. Dalton

1469. *Poa glauca*, Sm.

Alpine rocks from Wales, Yorkshire, northwards to Argyle.

Distrib. Europe, N. Asia, Himalaya.

<i>Sp.</i> Ben Lawers	...	...	...	1810	...	W. Middleton	...	W. Middleton
Ingleborough, Yorks....	...	...	...	1810	...	"	...	"

1470. *Poa nemoralis*, Linn.

Copses and woods from Elgin southwards.

Distrib. Europe, N. Asia, Himalaya,
N. America.

<i>Sp.</i> Ben Lawers	...	...	...	1806	...	Rev. J. Dalton	...	Rev. J. Dalton
Loch Tay	...	...	...	1809	...	W. Middleton	...	W. Middleton
Specimen from Edinburgh Botanical Society (<i>P. Cæsia</i>)								

1471. *Poa compressa*, Linn.

Dry banks from Ross southwards.

Distrib. Europe, N. & W. Asia, doubtful in N. America.

<i>Sp.</i> Near Ripon, Yorks.	...	...	...	(1800)	...	W. Brunton	...	Rev. J. Dalton
" "	...	...	...	1800	...	Rev. J. Dalton	...	"
City Wall, York	...	...	...	1806	...	S. Hailstone	...	S. Hailstone
Roulston Scar, Hambleton Hills	...	...	...	1904	...	H. J. Wilkinson	...	H. J. Wilkinson
Coneysthorpe, near Malton	...	...	...	1810	...	W. Middleton	...	W. Middleton

1472. *Poa pratensis*, Linn.*Meadows and waste ground.**Distrib.* North Temperate and Arctic regions.

<i>Sp.</i> Clifton Ings, York	...	...	1886	...	H. J. Wilkinson	...	H. J. Wilkinson
Withernsea, Yorks. (var. <i>subcærulea</i>)	1892	...	..	..	..	..	..

1473. *Poa trivialis*, Linn.*Meadows and woods.**Distrib.* Europe, N. Africa, Siberia, introduced N. America.

<i>Sp.</i> Clifton Ings, York	...	...	1886	...	H. J. Wilkinson	...	H. J. Wilkinson
Hambleton Hills, Yorks.	...	...	1890	...	..	..	..
(var. <i>parviflora</i> , Parn)							

1474. *Glyceria fluitans*, R.Br.*Watery places, north to Shetland.**Distrib.* Europe, N. Africa, W. Siberia, Himalaya, N. America.

<i>Sp.</i> Near Ripon, Yorks.	...	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Scawton Moor, near Helmsley	...	...	1886	...	H. J. Wilkinson	...	H. J. Wilkinson

**1476. *Glyceria aquatica*,
Beauv.***Watery places from Elgin southwards.**Distrib.* Europe, N. Africa, Siberia, Himalaya, N. America.

<i>Sp.</i> Banks of Foss, York	...	...	1892	...	H. J. Wilkinson	...	H. J. Wilkinson
Near York	...	...	1806	...	S. Hailstone	...	S. Hailstone

**1477. *Glyceria maritima*,
Wahlb.***Muddy sea coasts.**Distrib.* Europe, N. Africa, Siberia, N. America.

<i>Sp.</i> Margate, Kent	...	...	1807	...	W. Middleton	...	W. Middleton
Coatham, Yorks.	...	...	(1799)	...	S. Hailstone	...	S. Hailstone
Hartlepool, Durham	...	...	1806	...	Rev. J. Dalton	...	Rev. J. Dalton

1478. *Glyceria distans*, Wahlb.*Sandy places, often maritime.**Distrib.* Europe, N. Africa, Siberia,
N. America.

<i>Sp.</i> Margate, Kent	...	...	...	1807	...	W. Middleton	...	W. Middleton
Hartlepool, Durham	...	...	...	1806	...	Rev. J. Dalton	...	Rev. J. Dalton
Redcar, Yorks.	...	...	...	1799	...	S. Hailstone	...	S. Hailstone
Thorp Arch „	...	...	...	1846	...	„	...	„

1479. *Glyceria Borreri*, Bab.*Chiefly South Coast, Ireland, near
Dublin.**Distrib.* W. Europe.

<i>Sp.</i> Redcar, Yorks.	...	...	...	1806	...	Rev. J. Dalton	...	Rev. J. Dalton
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**1480. *Glyceria procumbens*,
Sm.***Muddy sea shores, S.E. Ireland.**Distrib.* Europe, N. Africa, Siberia,
Himalaya, N. America.

<i>Sp.</i> Redcar, Yorks.	...	...	...	1806	..	Rev. J. Dalton	...	Rev. J. Dalton
Scarboro' (Old Pier), Yorks....				1800—1812		S. Hailstone	...	S. Hailstone
Bristol, Glos.	...	...	...	1885	...	H. Fisher	...	H. J. Wilkinson
Redcar, Yorks.	...	...	...	1848	...	O. A. Moore	...	O. A. Moore

1481. *Glyceria rigida*, Sm.*Walls and dry places.**Distrib.* Europe, Canaries.

<i>Sp.</i> Walls of York	...	...	...	1806	...	S. Hailstone	...	S. Hailstone
Coatham, Yorks.	...	...	...	1799	...	„	...	„
Roulston Scar, Hambleton Hills	...	...	...	1890	...	H. J. Wilkinson	...	H. J. Wilkinson

1482. *Glyceria loliacea*, Wats.*Sandy shores from Fife southwards,
Ireland.**Distrib.* Europe, N. Africa.

<i>Sp.</i> Marske, near Redcar, Yorks.				1799—1840		S. Hailstone	...	S. Hailstone
„	„	„	...	1806	...	Rev. J. Dalton	...	Rev. J. Dalton
Hartlepool, Durham	...	...	...	1806	...	„	...	„
Sussex	..	...	...	1812	...	W. Middleton	...	W. Middleton

1483. Festuca uniglumis,
Soland.

Sea coasts from Lancaster, southwards.

Distrib. S. Europe, N. Africa.

<i>Sp.</i> Sandwich, Kent	...	...	1808	...	W. Middleton	...	W. Middleton
Littlehampton, Sussex	...	...	1790	...	Dr. Goodenough	...	Rev. J. Dalton
Portland, Dorset	...	...	(1820)	...	Lightfoot	...	„

1485. Festuca sciuiroides,
Roth.

Walls, sandy and gravelly pastures,
north to Shetland.

Distrib. Europe, N. Africa.

<i>Sp.</i> Bell Bank Wood, near Bingley, Yorks.	1801	...	S. Hailstone	...	S. Hailstone
Near Ripon, Yorks.	...	...	1790	...	Rev. J. Dalton
Suett Carr, Strensall, Yorks.	...	1886	...	H. J. Wilkinson	H. J. Wilkinson

1486. Festuca ovina, Linn.

Dry pastures and woods.

Distrib. Europe, N. Africa, Asia, N. &
S. America, Australia, New Zealand.

<i>Sp.</i> Thorp Arch, Yorks.	...	1844	...	S. Hailstone	...	S. Hailstone
Chellow Dene, Bradford, Yorks.	...	1846	...	M. Birkbeck	...	„
Strensall Common, Yorks.	...	1890	...	H. J. Wilkinson	...	H. J. Wilkinson

1487. Festuca rubra, Linn.

Waste ground and pastures.

Distrib. Europe, N. Africa, Asia, N. &
S. America, Australia, New Zealand.

<i>Sp.</i> Clifton Ings, York	...	1886	...	H. J. Wilkinson	...	H. J. Wilkinson
Whitby, Yorks.	...	1890	...	„	...	„
Sandwich, Kent (B)	...	1810	...	Rev. J. Dalton	...	Rev. J. Dalton
Coatham, Yorks.	...	1799	...	W. Brunton	...	S. Hailstone

1488. Festuca sylvatica, Vill.

Mountain woods, Banff and Inverness
southwards.

Distrib. Europe.

<i>Sp.</i> Hebden Bridge, Yorks.	...	1840	...	Gibson	...	S. Hailstone
Ben Lawers	...	1810	...	Rev. J. Dalton	...	Rev. J. Dalton

1489. Festuca pratensis, Huds.*Wet places.**Distrib.* Europe, Siberia, introduced

N. America.

<i>Sp.</i>	Near York	...	...	...	1806	...	S. Hailstone	...	S. Hailstone
	,, Ripon, Yorks.	...	...	...	1800	...	W. Brunton	...	,,
	Newby, near Boroughbridge, Yorks....	...	...	...	1800	...	Rev. J. Dalton	...	Rev. J. Dalton

1490. Bromus giganteus, Linn.*Damp woods, etc., from Argyle and**Elgin southwards.**Distrib.* Europe, Siberia.

<i>Sp.</i>	Thorp Arch, Yorks.	...	...	...	1842	...	S. Hailstone	...	S. Hailstone
	Castle Howard ,,	...	...	...	1890	...	H. J. Wilkinson	...	H. J. Wilkinson

1491. Bromus asper, Linn.*Hedge banks, etc.**Distrib.* Europe, Siberia, introduced

N. America.

<i>Sp.</i>	Thorp Arch, Yorks....	...	...	...	1842	...	S. Hailstone	...	S. Hailstone
	Castle Howard ,,	...	...	...	1886	...	H. J. Wilkinson	...	H. J. Wilkinson

1492. Bromus erectus, Huds.*Waste places.**Distrib.* Europe, N. Africa.

<i>Sp.</i>	Summer Castle, Lincs.	...	...	...	1808	...	Rev. J. Dalton	...	Rev. J. Dalton
	Thorp Arch, Yorks.	...	...	...	1844	...	S. Hailstone	...	S. Hailstone
	Bottisham, Cambs.	...	...	...	1845	...	,,	...	,,
	Kirkham, Yorks.	...	...	...	1890	...	H. J. Wilkinson	...	H. J. Wilkinson
	Hildenley, near Malton	...	...	...	1810	...	W. Middleton	...	W. Middleton

**1493. Bromus madritensis.
Linn.***Sandy coasts, Southern Counties.**Distrib.* S. Europe, N. Africa.

<i>Sp.</i>	St. Vincent's Rocks, Bristol, Glos.	...	...	...	1840	...	Dr. Wood	...	S. Hailstone
	Bottisham, Cambs.	...	...	...	1803	...	S. Hailstone	...	,,
	Bristol, Glos.	...	...	...	1885	...	H. Fisher	...	H. J. Wilkinson

1495. Bromus sterilis, Linn.*Waste ground.**Distrib.* Europe, N. Africa, Siberia,
introduced N. America.

<i>Sp.</i> Clifton Ings, York	...	...	1886	...	H. J. Wilkinson	...	H. J. Wilkinson
Walls of York	...	...	1806	...	S. Hailstone	...	S. Hailstone

1496. Bromus secalinus, Linn.*Cornfields and waste places.**Distrib.* Europe, N. Africa, W. Siberia,
introduced N. America.

<i>Sp.</i> Hartlepool, Durham	...	...	1810	...	W. Backhouse	...	S. Hailstone
Hebden Bridge, Yorks.	...	...	1840	...	S. Gibson	...	„
Market Weighton	„	...	(1800)	...	R. Teesdale	...	Rev. J. Dalton
Grimston, near Malton, Yorks.	...	...	1807	...	W. Middleton	...	W. Middleton

1499. Bromus mollis, Linn.*Meadows and waste ground.**Distrib.* Europe, N. Africa, Siberia,
introduced N. America.

<i>Sp.</i> Clifton Ings, York (var. <i>glabrescens</i>)	...	...	1886	...	H. J. Wilkinson	...	H. J. Wilkinson
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1500. Bromus arvensis, Linn.*Introduced but not naturalized.**Distrib.* Europe.

<i>Sp.</i> Hartlepool, Durham	...	...	1810	...	W. Backhouse	...	S. Hailstone
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1501. Brachypodium sylvaticum, R. & S.*Woods and hedgerows, N. to Orkney.**Distrib.* Europe, N. Africa, Himalaya.

<i>Sp.</i> Thorp Arch, Yorks.	...	...	1844	...	S. Hailstone	...	S. Hailstone
Bottisham, Cambs.	...	...	1845	...	„	...	„
Thorp Arch, Yorks.	...	...	1842	...	O. A. Moore	...	O. A. Moore
Studley (Ripon), Yorks.	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton

1502. Brachypodium pinnatum, Beauv.*Hedgerows, etc., on calcareous soils.**Distrib.* Europe, N. Africa, Siberia.

<i>Sp.</i> Thorp Arch, Yorks.	...	...	1842	...	S. Hailstone	...	S. Hailstone
Brighton, Sussex	...	...	1812	...	Rev. J. Dalton	...	Rev. J. Dalton

1503. Lolium perenne, Linn.*Fields and waste ground.**Distrib.* Europe, N. Africa, W. Asia,
N. America.

<i>Sp.</i> Copgrove, Yorks.	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Brighton, Sussex	1809	...	W. Middleton	...	W. Middleton
Clifton Ings, York	1890	...	H. J. Wilkinson	...	H. J. Wilkinson

**1504. Lolium temulentum,
Linn.***A colonist in cultivated ground.**Distrib.* Europe, N. Africa, Siberia,
India, introduced N. America.

<i>Sp.</i> Near Newark, Notts.	1892	...	H. Fisher	...	H. J. Wilkinson
Dalton, Yorks.	1810	...	W. Middleton	...	W. Middleton

**1506. Triticum caninum,
Huds.***Waste places.**Distrib.* Europe, Siberia, Himalaya,
N. America.

<i>Sp.</i> Copgrove, Yorks.	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Near York	1806	...	S. Hailstone	...	S. Hailstone
Crambe Beck, Castle Howard, Yorks.	1890	...	H. J. Wilkinson	...	H. J. Wilkinson

1507. Triticum repens, Beauv.*Fields and waste places.**Distrib.* Europe, N. Asia, N. Africa,
N. America.

<i>Sp.</i> Coatham, Yorks.	1800	...	S. Hailstone	...	S. Hailstone
Bottisham, Cambs.	1845	...	,,	...	,,

**1508. Triticum junceum,
Beauv.***Sandy sea shores.**Distrib.* Europe, N. Africa, N. America.

<i>Sp.</i> Coatham, Yorks.	1799	...	S. Hailstone	...	S. Hailstone
Withernsea, Yorks.	1892	...	H. J. Wilkinson	...	H. J. Wilkinson
Yarmouth, Norfolk	1846	...	S. Hailstone	...	S. Hailstone

**1509. Lepturus filiformis.
Trin.***Maritime positions.**Distrib.* W. and S. Europe, N. Africa.

<i>Sp.</i> Tivolo, Cork	1892	...	R. A. Phillips	...	H. J. Wilkinson
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1510. *Nardus stricta*, Linn.*Heaths and dry places.**Distrib.* Europe, Greenland, Azores.

<i>Sp.</i> Hutton Moor, Yorks....	...	...	1800	...	W. Brunton	...	Rev. J. Dalton
Strensall	„	...	1892	...	H. J. Wilkinson	...	H. J. Wilkinson

**1511. *Hordeum sylvaticum*,
Huds.***Woods and chalky soils from Chester
and Northumberland to Wilts.
and Kent.**Distrib.* Europe, Gothland.

<i>Sp.</i> Thorp Arch, Yorks. ...	...	...	1832	...	S. Hailstone	...	S. Hailstone
Studley, Ripon, Yorks.	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton

**1512. *Hordeum pratense*,
Huds.***Wet meadows.**Distrib.* Europe, Russia, Siberia, N.W.
India, N. America.

<i>Sp.</i> Clifton Ings, York	...	...	1892	...	H. J. Wilkinson	...	H. J. Wilkinson
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**1513. *Hordeum murinum*,
Linn.***Waste places.**Distrib.* Europe, N. Africa.

<i>Sp.</i> Foss Islands, York	...	...	1882	...	H. J. Wilkinson	...	H. J. Wilkinson
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**1514. *Hordeum maritimum*,
With.***Sea coasts from Chester and Durham
southwards.**Distrib.* Europe, N. Africa.

<i>Sp.</i> Coatham, Yorks.	...	...	1799	...	S. Hailstone	...	S. Hailstone
„	„	...	1806	...	Rev. J. Dalton	...	Rev. J. Dalton

1515. *Elymus arenarius*. Linn.*Sandy sea shores.**Distrib.* Europe, N. Asia, N. America.

<i>Sp.</i> Hornsea, Yorks.	...	...	1790	...	Teesdale	...	Rev. J. Dalton
Coatham	„	...	1806	...	Rev. J. Dalton	...	„

FILICES.

	DATE.	COLLECTOR.	HERBARIUM.
1517. Hymenophyllum			
tunbridgense, Sm.			
<i>Moist rocks from Mull and Argyle southwards, Ireland, Channel Islands.</i>			
<i>Distrib.</i> W. & S. Europe, Canaries, etc.			
<i>Sp.</i> Killarney	(1800)...	Dr. Taylor ...	Rev. J. Dalton
Sussex	1846 ...	Mr. Way ...	S. Hailstone
Scotland	1820 ...	W. Middleton ...	W. Middleton
Ingleboro', Yorks.	1807 ...	Rev. J. Dalton ...	Rev. J. Dalton
Scotland	1829 ...	S. Hailstone ...	S. Hailstone
1518. Hymenophyllum			
Wilsoni, Hook.			
<i>Shaded rocks extending to Orkney and Shetland, Ireland.</i>			
<i>Distrib.</i> As <i>H. tunbridgense</i> .			
<i>Sp.</i> Cwm Idwall	1808 ...	S. Hailstone ...	S. Hailstone
Kirkby Lonsdale, Westmorland	(1840)...	J. Tatham ...	„
Lowdore Waterfall	1804 ...	S. Hailstone ...	„
Ingleboro', Yorks.	1810 ...	Rev. J. Dalton ...	Rev. J. Dalton
1519. Trichomanes radicans,			
Sm.			
<i>Wet rocks, S. & S.W. Ireland, Wales.</i>			
<i>Distrib.</i> W. Europe, Tropical Africa and America, Himalaya, Japan, Polynesia, various forms.			
<i>Sp.</i> Torc Waterfall, Killarney	1850 ...	Mrs. W. S. Dalton	Rev. J. Dalton
Killarney	(1810)...	Hooker	„
1520. Adiantum Capillus-			
Veneris, Linn.			
<i>Damp rocks, etc., Dorset to Cornwall, Isle of Man, Glamorgan, Ireland.</i>			
<i>Distrib.</i> From France southwards.			
<i>Sp.</i> Port Quin, Cornwall	1895 ...	H. M. Platnauer...	
Cornwall	1840 ...	S. Gibson ...	S. Hailstone

1521. Pteris aquilina, Linn.*Moors, woods, etc.**Distrib.* Europe, and all temperate and many tropical countries, various forms.

<i>Sp.</i> Hampstead, Middlesex	...	...	1848	...	Thos. Moore	...	S. Hailstone
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1522. Allosorus crispus, Bernh.*Mountain districts.**Distrib.* Europe, W. Asia, Himalaya.

<i>Sp.</i> Ben-a-Bourch	...	...	1831	...	R. K. Greville	...	Rev. J. Dalton
Caldron Snout, Teesdale	...	...	1824	...	S. Hailstone	...	S. Hailstone

1523. Blechnum spicant, Linn.*Woods and banks, etc.**Distrib.* Europe, N.E. Asia, Canaries, Japan, N.W. America.

<i>Sp.</i> Streusall Common, Yorks.	...	...	1882	...	H. J. Wilkinson	...	H. J. Wilkinson
Rcmbald's Moor	„	...	1810	...	S. Hailstone	...	S. Hailstone
Hackfall, Ripon	„	...	1829	...	Rev. J. Dalton	...	Rev. J. Dalton

1525. Asplenium lanceolatum, Huds.*Wet rocks from N. Wales and Glos. southwards, Ireland (Cork).**Distrib.* S. Europe, N. Africa.

<i>Sp.</i> St. Michael's Mount, Cornwall	...	(1840)...	Winterbottom	...	B. Baker
Tunbridge Wells, Kent	...	1810	Borrer	...	Rev. J. Dalton
Helstone, Cornwall	...	1820	„	...	„
Bristol, Glos.	...	1830	G. K. Thwaites	...	S. Hailstone
Penzance, Cornwall	...	1840	S. Gibson	...	„
Devonshire	...	1830	Rev. J. Dalton	...	Rev. J. Dalton
Kinsale, co. Cork	...	1891	R. A. Phillips	...	H. J. Wilkinson

1526. Asplenium Adiantum-nigrum, Linn.*Rocks, walls, etc.**Distrib.* Europe, N. Africa, Siberia, W. Asia.

<i>Sp.</i> Plumpton Rocks, Yorks.	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
Scotland	...	...	1809	...	W. Middleton	...	W. Middleton
Clint Bank	...	...	1826	...	S. Hailstone	...	S. Hailstone
Toller Lane, Bradford, Yorks.	...	1806	„	...	„	...	„
Derwentwater	...	...	1810	...	„	...	„

1527. *Asplenium marinum*,**Linn.***Sea cliffs and caves.**Distrib.* S. Europe, N. Africa, and
N. America.

<i>Sp.</i> Tintagel, Cornwall	...	...	(1830)...	B. Baker	...	B. Baker
Hastings, Sussex	...	...	1807	W. Middleton	...	W. Middleton
Black Hall Rocks, Durham	...	...	1800	Rev. J. Dalton	...	Rev. J. Dalton
" "	"	"	1820	J. Backhouse	...	S. Hailstone
Oban	...	...	1820	S. Hailstone	...	"

1528. *Asplenium viride*, Huds.*Damp rock crevices in mountain districts.**Distrib.* Europe, Siberia, W. Asia,
N. America.

<i>Sp.</i> Caldron Snout, Teesdale, Durham	...	...	1883	H. J. Wilkinson	...	H. J. Wilkinson
Gordale, Yorks.	...	...	1883	"	...	"
Falcon Clints, Teesdale	...	...	1840	Jas. Backhouse	...	S. Hailstone
Near Aberfeldy	...	...	1840	S. Hailstone	...	"
Corra Lynn, Lanarkshire	...	...	1820	"	...	"
Ingleboro', Yorks.	...	...	1799	Rev. J. Dalton	...	Rev. J. Dalton

1529. *Asplenium Trichomanes*, Linn.*Walls and rocks.**Distrib.* Europe, N. Africa, N. & W.
Asia, N. America and South Tem-
perate Regions.

<i>Sp.</i> Falcon Clints, Teesdale	...	...	1824	S. Hailstone	...	S. Hailstone
Whalley Abbey, Lancs.	...	...	1806	"	...	"
Teesdale	...	...	1807	W. Middleton	...	W. Middleton
Malham, Yorks.	...	...	1798	Rev. J. Dalton	...	Rev. J. Dalton
Inverary	...	...	1820	S. Hailstone	...	S. Hailstone
Mickley, near Ripon, Yorks.	...	...	1800	Rev. J. Dalton	...	Rev. J. Dalton

1530. *Asplenium Ruta-muraria*, Linn.*Walls and rocks.**Distrib.* Europe, N. & S. Africa, Siberia,
N. Asia, N. America.

<i>Sp.</i> Whalley Abbey, Lancs.	...	...	1806	S. Hailstone	...	S. Hailstone
Bradford Church, Yorks.	...	...	1807	"	...	"
Thorp Arch	"	...	1831	"	...	"
Ingleboro'	"	...	1798	Rev. J. Dalton	...	Rev. J. Dalton
Kirkham Bridge	"	...	1812	W. Middleton	...	W. Middleton

1531. *Asplenium septentrionale*, Hull.

Walls and rocks, Wales and North Devon.

Distrib. Europe, Siberia, W. Asia, N. America.

<i>Sp.</i> Salisbury Crag, Edinbro'	...	...	1810	...	Hooker	...	S. Hailstone
" "	"	...	1807	...	Rev. J. Dalton	...	Rev. J. Dalton
" "	"	...	1916	...	A. Templeman	...	A. Templeman

1532. *Athyrium Filix-foemina*, Roth.

Moist woods and banks.

Distrib. Europe, Asia, N. and Tropical America, N. and Tropical Africa.

<i>Sp.</i> Strensall Common, Yorks.	...	...	1890	...	H. J. Wilkinson	...	H. J. Wilkinson
Burscough Bridge, Lancs.	...	...	1838	...	S. Hailstone	...	S. Hailstone
Isle of Man	...	...	1841	...	"	...	"
Studley, Ripon, Yorks.	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton

1534. *Ceterach officinarum*, Willd.

Rocks and walls.

Distrib. S. Europe, N. Africa, W. Asia, to Himalaya.

<i>Sp.</i> Haver Waterfall, near Milnthorpe,							
Westmorland	...	...	1820	...	S. Hailstone	...	S. Hailstone
Near Bristol, Glos.	...	...	1885	...	H. Fisher	...	H. J. Wilkinson
Malham Tarn, Yorks.	...	...	1807	...	S. Hailstone	...	S. Hailstone
(Ray's Station)							

1535. *Scolopendrium vulgare*, Sm.

Rocks, copses, etc., North to Shetland.

Distrib. Europe, N. Africa, Siberia, W. Asia, Japan, N.W. America.

<i>Sp.</i> Studley, near Ripon, Yorks.	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton
Wilton, near Redcar	"	...	1806	...	S. Hailstone	...	S. Hailstone
Near Bingley	"	...	...	...	"	...	"
Helmsley	"	...	1820	...	W. Middleton	...	W. Middleton
Bideford, Devon	...	...	1849	...	Geo. Mawe	...	S. Hailstone
Llandaff, Glamorganshire	...	...	1848	...	Fras. Brent	...	"

1536. Woodsia ilvensis, Br.

*Wet Alpine rocks, Wales and Durham
to Forfar.*

Distrib. Europe, N. Asia, Himalaya,
N. America.

<i>Sp.</i> Falcon Clints, Teesdale	...	...	1824	...	S. Hailstone	...	S. Hailstone
Teesdale	...	...	1824	...	Jas. Backhouse	...	„

**1537. Cystopteris fragilis,
Bernh.**

Rocks and walls in hilly districts.

Distrib. Europe, N. Africa, N. & W.
Asia, N. America.

<i>Sp.</i> Hobbies Howe	...	...	...				
Falcon Clints, Teesdale	...	...	1811	...	J. Backhouse	...	S. Hailstone
Malham, Yorks.	...	...	1811	...	„	...	„
Scotland	...	...	1807	...	W. Middleton	...	W. Middleton
Gordale, Yorks.	(var. <i>angustata</i>)	1807	...	S. Hailstone	...	S. Hailstone	
Upper Teesdale	(var. <i>dentata</i>)	1820	...	Rev. J. Dalton	...	Rev. J. Dalton	
Arncliffe, nr. Malham, Yorks.	„	1830	...	S. Hailstone	...	S. Hailstone	
Malham	„	1840	...	M. Birkbeck	...	„	
Nant-y-Fridd, Wales	„	1800	...	Davies	...	„	

**1538. Cystopteris alpina,
Desv.**

Rocks in mountain districts.

Distrib. W. & S. Europe.

<i>Sp.</i> On a wall at Low Leyton, Essex	...	1832	...	J. W. Salter	...	S. Hailstone
Cwm Idwall, Snowdon	...	1826	...	Prof. Henslow	...	„

**1539. Polystichum Lonchitis,
Roth.**

Among Alpine rocks.

Distrib. Europe, Siberia, W. Asia,
Himalaya, N. America.

<i>Sp.</i> Falcon Clints, Teesdale	...	...	1824	...	S. Hailstone	...	S. Hailstone
„ „ „	...	...	1810	...	J. Backhouse	...	„
Langeliffe, Malham, Yorks.	...	...	1834	...	J. Howson	...	„
Ben Lawers	...	...	1820	...	W. Middleton	...	W. Middleton
Arncliffe Clouders, Yorks.	...	...	1836	...	Hy. Ibbotson	...	H. J. Wilkinson

1540. Polystichum lobatum,**Presl.***Woods and banks from Orkney southwards.**Distrib.* Europe, W. Asia, N. America, etc.

<i>Sp.</i> Rokeby, Yorks.	...	...	1822	...	S. Hailstone	...	S. Hailstone
Malham „	...	...	...	...	M. Birkbeck	...	„
Ripon „	...	...	1800	...	W. Brunton	...	Rev. J. Dalton
Hackfall, near Ripon, Yorks.	..	1824	...	Rev. J. Dalton	...	„	

1541. Polystichum aculeatum,**Syme.**

<i>Sp.</i> Yordas Cave, Ingleton, Yorks.	...	1893	...	H. J. Wilkinson	...	H. J. Wilkinson
Rokeby, Yorks.	...	1840	...	S. Hailstone	...	S. Hailstone
Wetherby Grange, Yorks.	...	1833	...	„	...	„
Caldron Snout, Teesdale	...	1820	...	W. J. Hooker	...	Rev. J. Dalton
Coxwold, Yorks.	...	1892	...	H. J. Wilkinson	...	H. J. Wilkinson

1542. Polystichum angulare,**Presl.***Distrib.* As *P. lobatum*.

<i>Sp.</i> Coxwold (Wass), Yorks.	..	1892	...	H. J. Wilkinson	...	H. J. Wilkinson
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1543. Lastræa Thelypteris,**Presl.***Bogs and marshes from Forfar southwards.**Distrib.* Europe, N. and S. Africa, Siberia, Himalaya, N. America, New Zealand.

<i>Sp.</i> The Puffin, river Hull, Yorks.	...	1896	...	J. Fraser Robinson	...	H. J. Wilkinson
Askham Bogs, near York	...	1806	...	S. Hailstone	...	S. Hailstone
„ „ „	...	1890	...	H. J. Wilkinson	..	H. J. Wilkinson

1544. Lastræa Oreopteris,**Desv.***Principally in mountain districts.**Distrib.* Europe, W. Asia.

<i>Sp.</i> Castle Howard, Yorks.	...	1786	...	R. Teesdale	...	Rev. J. Dalton
Stockton Common, near York	...	1820	...	W. Middleton	...	W. Middleton
Ambleaside, Westmorland	...	1836	...	S. Hailstone	...	S. Hailstone
Sawley Moor, near Ripon, Yorks.	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton

1545. *Lastræa Filix-mas*,**Presl.***Woods and hedgerows.**Distrib.* Europe, India, N. & S. Africa,

S. America (Andes).

<i>Sp.</i> Dalmahoy Hills	...	...	...			
Langwith, Yorks.	...	...	...	1890	H. J. Wilkinson	H. J. Wilkinson
Strensall	„	...	...	1890	„	„

1546. *Lastræa rigida*, Presl.*Mountain districts of Yorks., Lancs.,
and Westmorland.**Distrib.* Europe, W. Asia, N. America.

<i>Sp.</i> Settle, Yorks.	...	...	...	1834	S. Hailstone	S. Hailstone
Attermire Scar, Settle, Yorks.	...	...	...	1830	„	„

1547. *Lastræa cristata*, Presl.*Bogs in Eastern Counties, Notts, Yorks.**Cheshire and Lanark.**Distrib.* Europe, W. Siberia, N. America.

<i>Sp.</i> Oxton Bog, Notts.	...	...	...	1841	Ainley	S. Hailstone
Hickling, Norfolk	...	...	...	1900	A. & J. Bennett	H. J. Wilkinson
Oxton Bog, Notts.	...	...	...	1898	H. Fisher	„
Askham Bogs, near York	...	...	...	1893	H. J. Wilkinson	„

1548. *Lastræa spinulosa*,**Presl.***Damp shaded positions.**Distrib.* Europe (excluding Turkey and
Greece), N.E. Asia, S. Africa and
N. America.

<i>Sp.</i> Askham Bogs, Yorks.	...	...	...	1886	H. J. Wilkinson	H. J. Wilkinson
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1549. *Lastræa dilatata*, Presl.*Woods and damp shaded places from
Aberdeen southwards.**Distrib.* As *spinulosa*.

<i>Sp.</i> Langwith, Yorks.	...	...	...	1890	H. J. Wilkinson	H. J. Wilkinson
Hastings, Sussex	...	...	...	1830	S. Hailstone	S. Hailstone
Ambleside, Westmorland	...	...	...	1820	„	„
Coggleshall, Essex	...	...	...	1814	J. M. Gibson	„
Cwm Idwall, Wales	...	...	...	1808	S. Hailstone	„

1550. *Lastræa æmula*, Brack.*Hilly districts.**Distrib.* Europe, Madeira, Azores.

<i>Sp.</i> Forge Valley, Scarboro', Yorks.	...	1863	...	W. Bean...	...	H. J. Wilkinson
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1551. *Polypodium vulgare*, L.*Walls, banks, and trees.**Distrib.* Europe, N. & S. Africa, Asia,
Japan, N. America.

<i>Sp.</i> Edinburgh	...	...	...	...		
Conway Castle, Carnarvon	...	1808	...	S. Hailstone	...	S. Hailstone
Strensall, Yorks.	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson

**1552. *Polypodium Dryopteris*,
Linn.***Dry shaded places from Shetland southwards.**Distrib.* Europe, N. & W. Asia, Himalaya, N. America.

<i>Sp.</i> Bolton Abbey, Yorks.	...	1820	...	S. Hailstone	...	S. Hailstone
Hebden Bridge „	...	1820	...	„	...	„
High Force, Teesdale	...	1822	...	„	...	„
Falcon Clints „	...	1824	...	„	...	„
Helmsley, Yorks.	...	1780	...	R. Teesdale	...	Rev. J. Dalton
Dallowgill „	...	1790	...	Rev. J. Dalton	...	„

**1553. *Polypodium calcareum*,
Sm.***On limestone rocks from Perth southwards.**Distrib.*

<i>Sp.</i> Giggleswick Scars, Settle, Yorks.	...	1834	...	Jno. Howson	...	S. Hailstone
Whitbarrow Scar, Westmorland	...	1840	...	S. Hailstone	...	„
Cheddar, Somerset	...	1885	...	H. Fisher	...	H. J. Wilkinson

1554. *Polypodium Phegopteris*, Linn.*Shaded places in mountain districts.**Distrib.* Europe, N. and W. Asia,
N. America.

<i>Sp.</i> Dallowgill, Ripon, Yorks.	...	1824	...	S. Hailstone	...	S. Hailstone
„ „ „	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Helmsley, Yorks.	...	1790	...	R. Teesdale	...	„
Inverary	...	1809	...	W. Middleton	...	W. Middleton
Teesdale	...	1824	...	S. Hailstone	...	S. Hailstone

1555. *Osmunda regalis*, Linn.

Bogs and marshy woods, North to Shetland.

Distrib. Europe, Africa, N. & W. Asia, China, Japan, North and Tropical America.

<i>Sp.</i> Askham Bogs, Yorks...	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson
Knareboro' „	...	...	1791	...	Rev. J. Dalton	...	Rev. J. Dalton
Scotland ...	...	...	1829	...	S. Hailstone	...	S. Hailstone
Harrogate ...	...	...	1790	...	R. Teesdale	...	Rev. J. Dalton

1556. *Ophioglossum vulgatum* Linn.

Wet pastures, banks, etc., North to Shetland.

Distrib. Europe, Madeira, W. Asia, Siberia, N. America, South Temperate Regions.

<i>Sp.</i> Castle Howard, Yorks.	...	...	1786	...	R. Teesdale	...	Rev. J. Dalton
Copgrove „	...	...	1791	...	Rev. J. Dalton	...	„
Clifton Ings „	...	...	1809	...	W. Middleton	...	W. Middleton
Cliff Hills ...	...	...	1820	...	S. Hailstone	...	S. Hailstone

1557. *Botrychium Lunaria*, Sw.

Pastures and banks, North to Shetland

Distrib. N. and S. Europe, temperate and cold regions.

<i>Sp.</i> Cliff Pastures	...	...	1820	...	Hustler	...	S. Hailstone
Round Howe...	...	...	1826	...	S. Hailstone	...	„
Strensall, Yorks.	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson
Stockton Common, Yorks.	...	...	1809	...	W. Middleton	...	W. Middleton
Castle Howard „	...	...	1786	...	R. Teesdale	...	Rev. J. Dalton
Copgrove „	...	...	1790	...	Rev. J. Dalton	...	„

EQUISETACEÆ.**1558. *Equisetum maximum*, Lam.**

Shady woods and wet places from Skye southwards.

Distrib. Europe, N. Africa, W. Asia, N. America.

<i>Sp.</i> Hampstead, Middlesex	...	...	1845	...	F. Barham	...	S. Hailstone
Castle Howard, Yorks.	...	...	1812	...	W. Middleton	...	W. Middleton

1559. Equisetum arvense,**Linn.***Fields & roadsides, North to Shetland.**Distrib.* Europe, N. Africa, N. Asia,
N. America.

<i>Sp.</i> Bowling Beck, Yorks.	...	...	1808	...	S. Hailstone	...	S. Hailstone
Near York	...	...	1820	...	W. Middleton	...	W. Middleton
Strensall, Yorks.	...	...	1890	...	H. J. Wilkinsen	...	H. J. Wilkinson
Copgrove	„	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton

1560. Equisetum pratense,**Ehrh.***Marshes, from Caithness southwards.**Distrib.* Europe, Siberia, N. America.

<i>Sp.</i> Forfar	...	...	1810	...	W. J. Hooker	...	Rev. J. Dalton
Glen Devon, Perth	...	...	1845	...	Dr. Dewar	...	S. Hailstone

1561. Equisetum sylvaticum,**Linn.***Woods and hedge banks from Shetland
southwards.**Distrib.* Europe, N. Asia, N. America.

<i>Sp.</i> Suett Carr, near Strensall, Yorks.	...	...	1883	...	H. J. Wilkinson	...	H. J. Wilkinson
Stittenham, Yorks.	...	...	1883	...	„	...	„
Copgrove	„	...	1790	...	Rev. J. Dalton	...	Rev. J. Dalton
Whitby	„	...	1810	...	W. Middleton	...	W. Middleton
Thorp Arch	„	...	1833	...	S. Hailstone	...	S. Hailstone

1562. Equisetum palustre,**Linn.***Wet places, North to Shetland.**Distrib.* Europe, N. & W. Asia, N.
America.

<i>Sp.</i> Lagan Canal, Antrim	...	...	1847	...	Dr. Matier	...	S. Hailstone
(var. <i>polystachyum</i>)							
Burnley, Lancs.	...	...	1800	...	S. Hailstone	...	„
Near Ripon, Yorks.	...	...	1820	...	Rev. J. Dalton	...	Rev. J. Dalton

1563. Equisetum limosum, Sm.*Lakes and ditches, North to Shetland.**Distrib.* Europe, N. Asia, N. America,

<i>Sp.</i> Thorp Arch, Yorks.	...	...	1833	...	S. Hailstone	...	S. Hailstone
Near Ripon	„	...	1800	...	W. Brunton	...	Rev. J. Dalton
Near York	...	...	1820	...	W. Middleton	...	W. Middleton

1564. Equisetum hyemale,
Linn.

Marshes in woods from Ross to Kent.

Distrib. Europe, N. Africa, N. Asia,
N. America.

<i>Sp.</i> Thorp Arch, Yorks.	1833	...	S. Hailstone	...	S. Hailstone
Mackershaw Woods, Ripon, Yorks. ...	1800	...	W. Brunton	...	„
Kirkham, near York	1786	...	R. Teesdale	...	Rev. J. Dalton
Hackfall, near Ripon	1820	...	Rev. J. Dalton	...	„

1565. Equisetum trachyodon,
Braun.

Wet places, N. E. Ireland, Scotland.

Distrib. Germany, Great Britain.

<i>Sp.</i> Belfast, Ireland	...	Dr. Moore	...	S. Hailstone
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1566. Equisetum variegatum,
Scheich.

Sandy shores, etc., from Ross to Devon.

Distrib. Europe, N. Africa, Siberia,
N. America.

<i>Sp.</i> Coast of Fifeshire	1810	...	W. Middleton	...	W. Middleton
Near High Force, Teesdale, Durham	1886	...	H. J. Wilkinson	...	H. J. Wilkinson
Wensleydale, Yorks.	1892	...	A. Wilkinson	...	„
Sands of Barrie, Forfar	1841	...	Dr. Dickie	...	S. Hailstone
(var. <i>arenarium</i>)					

LYCOPODIACEÆ.

1567. Lycopodium Selago,
Linn.

*Mountain moors, etc., from Shetland
to Cornwall.*

Distrib. Arctic & N. Temperate Zones
of both Hemispheres, New Zealand,
Australia, Antarctic America, Cen-
tral Brazil.

<i>Sp.</i> Ingleboro', Yorks.	1806	...	S. Hailstone	...	S. Hailstone
„ „	1796	...	Rev. J. Dalton	...	Rev. J. Dalton
Wherside „	1828	...	W. Middleton	...	W. Middleton
Strensall Common, Yorks.	1883	...	H. J. Wilkinson	...	H. J. Wilkinson
Ingleboro', Yorks.	1893	...	„	...	„

1568. *Lycopodium inundatum*. Linn.

Wet sandy heaths and bogs from Ross southwards.

Distrib. Europe, Canada.

<i>Sp.</i> Copgrove, Yorks.	1790	Rev. J. Dalton	Rev. J. Dalton
Near the Tewett Well, Harrogate	1800	S. Hailstone	S. Hailstone
Near the "Queen's Head" ,, ...	1806	Rev. J. Dalton	Rev. J. Dalton
Strensall Common, Yorks.	1883	H. J. Wilkinson	H. J. Wilkinson

1569. *Lycopodium annotinum*, Linn.

Stony Alpine moors from Orkney to N. Wales and Leicester.

Distrib. Europe, N. and W. Asia, Himalaya, America.

<i>Sp.</i> Clova, Forfarshire	1837	J. H. Balfour	S. Hailstone
Buttercrambe Woods, Yorks.	1912	J. Mennell	J. Mennell

1570. *Lycopodium clavatum*, Linn.

Moors, etc., in hilly districts, Shetland to Essex.

Distrib. Arctic and Alpine Zones in both Hemispheres, and mountains of Tropical Asia, Africa, and America.

<i>Sp.</i> Grantley Moors, Yorks.	1820	Rev. J. Dalton	Rev. J. Dalton
Rombalds Moor ,, ...	1807	S. Hailstone	S. Hailstone
Ingleboro' ,, ...	1796	Rev. J. Dalton	Rev. J. Dalton
Helmsley Moors ,, ...	1820	W. Middleton	W. Middleton

1571. *Lycopodium alpinum*, Linn.

Alpine moors, Wales and North to Shetland.

Distrib. Europe, N. and W. Asia, N. America.

<i>Sp.</i> Ingleboro', Yorks.	1893	H. J. Wilkinson	H. J. Wilkinson
Holme Moors ,, ...	1820	S. Hailstone	S. Hailstone
Ingleboro' ,, ...	1806	,,	,,
Grantley ,, ...	1800	Rev. J. Dalton	Rev. J. Dalton
Ingleboro' ,, ...	1796	,,	,,

SELAGINELLACEÆ.

				DATE.	COLLECTOR.	HERBARIUM.
1572.	<i>Selaginella selaginoides,</i>					
	Gray.					
	<i>Marshy ground, Shetland to Lincoln,</i>					
	<i>Wales, etc.</i>					
	<i>Distrib.</i> Europe, Siberia, Himalaya,					
	and N. America.					
<i>Sp.</i>	Terrington Carr, Yorks.	...	...	1780 ...	R. Teesdale ...	Rev. J. Dalton
	Copgrove „	...	...	1790 ...	Rev. J. Dalton ..	„
	Near Malham Tarn „	...	...	1806 ...	S. Hailstone ...	S. Hailstone
	Teesdale „	...	...	1824 ...	„ ...	„

1573.	<i>Isoetes lacustris,</i>					
	Linn.					
	<i>Bottoms of Alpine and Sub-Alpine</i>					
	<i>lakes, etc.</i>					
	<i>Distrib.</i> Europe, W. Siberia, N. America.					
<i>Sp.</i>	Coniston Water, Lanes.	...	...	1800 ...	S. Hailstone ...	S. Hailstone

MARSILEACEÆ.

1574.	<i>Pilularia globulifera,</i>					
	Linn.					
	<i>Edges of ponds and lakes from Skye</i>					
	<i>southwards.</i>					
	<i>Distrib.</i> Europe.					
<i>Sp.</i>	Terrington Carr, Yorks.	...	...	1780 ...	R. Teesdale ...	Rev. J. Dalton
	Yarmouth, Norfolk	...	...	1810 ...	W. J. Hooker ...	S. Hailstone
	Newton Bog, near Norwich, Norfolk	...	...	1840 ...	Jas. Backhouse ...	S. Hailstone
	Skipwith Common, Yorks.	...	...	1883 ...	H. J. Wilkinson ...	H. J. Wilkinson
	Strensall Common „	...	...	1883 ...	„ ...	„

END.

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